-72

# SIXTH ANNUAL CATALOGUE

OF THE

## OFFICERS AND STUDENTS

OF THE

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# UNIVERSITY OF KANSAS.

1871-72.

LAWRENCE, KANSAS:
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1872.

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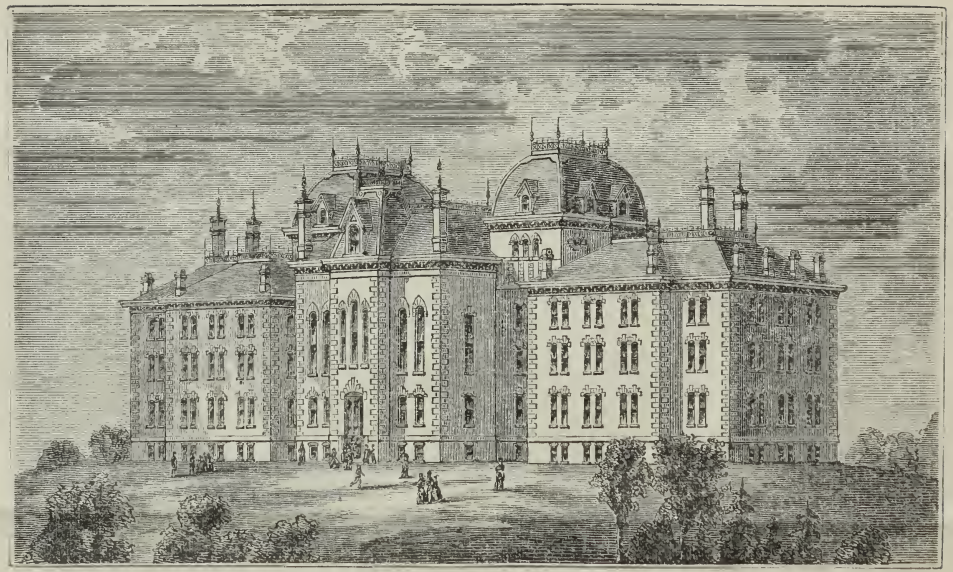

## THE NEW UNIVERSITY BUILDING, ERECTED BY THE CITY OF LAWRENCE.

Dimensions:—Length, 246 ft ; width in center, 98 ft. ; width of wings, 62 ft. ; height of observatories, 95 ft. The total number of rooms, 54, including a hall, which is 94 ft. long, 56 ft. wide, and 35 ft. high All the rooms are to be dev ted to the work of instruction. The Departments of Chemistry, Physics, Natural Sciences, Mechanics, Engineering, and Drawing, will *each* have a suite of four rooms, viz. : a lecture room, 23x45 ft. ; a laboratory room for beginners, 19x52 ft. ; a laboratory room for advanced students, 21x45 ft. ; and a room for apparatus and consulting library, 11x35 ft. The building will be ready for use in course of the ensuing fall (1872).

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## 1871-72.

LAWRENCE, KANSAS:
EXCELSIOR BOOK AND JOB PRINTING OFFICE,
Corner Massachusetts and Henry Sts.
1872.

# Board of Regents.

| | Term Expires. |
|---|---|
| William C. Tenney, | 1872 |
| Rev. D. P. Mitchell, | 1872 |
| Rev. W. A. Starrett, | 1872 |
| Joseph L. Weaver, M. D. | 1872 |
| Rt. Rev. T. H. Vail, D. D. | 1874 |
| Hon. C. B. Lines, | 1874 |
| Hon R. G. Elliott, | 1874 |
| Hon. F. W. Giles, | 1874 |
| Hon. Charles Robinson, | 1876 |
| Hon. George A. Crawford, | 1876 |
| Hon. John A. Halderman, | 1876 |
| Rev. J. G. Reaser, D. D. | 1876 |
| Hon. H. D. McCarty, *State Sup't Pub. Inst.*, | *Ex-Officio Members.* |
| Hon. W. H. Smallwood, *Secretary of State*, | |
| John Fraser, *Chancellor*, | |

## Officers of the Board.

| | |
|---|---|
| John Fraser, *President.* | Rev. W. A. Starrett, *Secretary.* |
| William C. Tenney, *Treasurer.* | Prof. Frank H. Snow, *Librarian.* |

## Executive Committee.

| | |
|---|---|
| John Fraser. | Rt. Rev. T. H. Vail, D.D. |
| William C. Tenney. | Hon. Chas. Robinson. |
| Hon. R. G. Elliott. | Rev. W. A. Starrett, *Secretary.* |

63023

# Faculty.

JOHN FRASER, A. M., *President*,
PROFESSOR OF MENTAL AND MORAL PHILOSOPHY.

DAVID H. ROBINSON, A. M.,
PROFESSOR OF ANCIENT LANGUAGES AND LITERATURE.

Regards of FRANK H. SNOW, A. M.,
PROFESSOR OF NATURAL ~~SCIENCE~~ History and Meteorology

FREDERIC W. BARDWELL, B. S.,
PROFESSOR OF MATHEMATICS AND ~~ENGINEERING~~ Astronomy

E. P. LEONARD,
PROFESSOR OF MODERN LANGUAGES.

D. O. KELLOGG, JR., A. M.,
PROFESSOR OF HISTORY AND OF ENGLISH LANGUAGE AND LITERATURE.

FRED. E. STIMPSON, B. S.,
PROFESSOR OF CHEMISTRY AND PHYSICS.

A. J. S. MOLINARD, Grad. U. S. Mil. Ac.,
PROFESSOR OF ENGINEERING AND OF GENERAL AND INDUSTRIAL DRAWING.

ALBERT NEWMAN, M. D.,
INSTRUCTOR IN HUMAN ANATOMY AND PHYSIOLOGY, AND HYGIENE.

J. E. BARTLETT,
INSTRUCTOR IN VOCAL MUSIC.

# Collegiate Department.

## CLASSICAL COURSE.

| NAMES. | RESIDENCES. |
|---|---|
| **Junior Class.** | |
| Flora Richardson, | *Monroe, Wis.* |
| Ralph Collins, | *Wilkinsburg, Pa.* |
| L. D. L. Tosch, | *Upshur, O.* |
| **Sophomore Class.** | |
| Alice G. Boughton, | *Moravia, N. Y.* |
| Hannah Oliver, | *Lawrence.* |
| Lizzie A. Williams, | *Franklin.* |
| Frank F. Dinsmoor, | *Wakarusa.* |
| John C. Donaldson, | *Washington, Iowa.* |
| Laban L. Kirk, | *Garnett.* |
| **Freshman Class.** | |
| Mattie M. Cone, | *Lawrence.* |
| Kate Stephens, | *Wakarusa.* |
| E. H. Bancroft, | *Emporia.* |
| Samuel A. Carson, | *Wakarusa.* |
| C. F. Fishback, | *Olathe.* |

| NAMES. | RESIDENCES. |
|---|---|
| Byron N. Rooks, | *Burlingame.* |
| William A. Marshall, | *Cannonsburg, Pa.* |

## SCIENTIFIC COURSE.

### Junior Class.

| | |
|---|---|
| Gertrude E. Welch, | *Wakarusa.* |
| Murray Harris, | *Bowling Green, Mo.* |
| Frank L. Weaver, | *Olathe.* |

### Sophomore Class.

| | |
|---|---|
| Ida L. Blood, | *Lawrence.* |
| Mertie C. Brett, | *Wakarusa.* |
| E. B. Noyes, | *Wakarusa.* |

### Freshman Class.

| | |
|---|---|
| Alice J. Archibald, | *Washington, D. C.* |
| Martha R. Campbell, | *Port Matilda, Pa.* |
| Frank P. MacLennan, | *Emporia.* |
| George F. Gaumer, | *Wakarusa.* |
| Charles Kennedy, | *Wakarusa.* |

## SELECT COURSE.

| | |
|---|---|
| Mary A. Anderson, | *Lawrence.* |
| Sarah A. Brown, | *Lawrence.* |
| Susan A. Bullene, | *Lawrence.* |

| NAMES. | RESIDENCES. |
|---|---|
| Josie Drinkwater, | *Burlingame.* |
| Louisa Guest, | *Lawrence.* |
| Emma V. Hadley, | *Lawrence.* |
| Margaret Hutchison, | *Greenfield, O.* |
| Vina Lambert, | *Fort Dodge, Iowa.* |
| Henrietta Manlove, | *Pontiac, Ill.* |
| Laura A. Morrow, | *Lawrence.* |
| Mary M. Sutherland, | *Lawrence.* |
| Isabel C. Tenney, | *Lawrence.* |
| Georgiana L. Thacher, | *Hornellsville, N. Y.* |
| | |
| William M. Armor, | *Denver, Col. Ter.* |
| John E. Evans, | *Emporia.* |
| Edward Evarts, | *Napa, Cal.* |
| Edward P. Farren, | *Lawrence.* |
| William Gethin, | *Atchison.* |
| O. J. Kennedy, | *Olathe.* |
| John Thomas Moore, | *Woolwich, Eng.* |
| Joseph H. Norwood, | *Vinland, N. J.* |
| George A. Richardson, | *Monroe, Wis.* |
| Walter S. Shotwell, | *Alexandria, Minn.* |
| C. W. Smith, | *Harrisonville, Mo.* |
| Orvis E. Strong, | *Lawrence.* |
| C. F. W. Treptow, | *Olathe.* |
| Elmer B. Tucker, | *Lawrence.* |
| Arthur Woodcock, | *Tonganoxie.* |
| John Henry Yeazley, | *Berlin, Canada.* |

# Preparatory Department.

## CLASSICAL COURSE.

| NAMES. | RESIDENCES. |
|---|---|
| **Senior Class.** | |
| Jennie B. Herron, | *Lawrence.* |
| Rose De Maranville, | *Sunderland, Mass.* |
| Charles F. Bassett, | *Galesburg, Ill.* |
| William Osburn, | *Wilmington, Ill.* |
| W. F. Sergent, | *Kansas City, Mo.* |
| Nelson J. Stephens, | *Wakarusa.* |
| **Middle Class.** | |
| A. Gertrude Bullene, | *Lawrence.* |
| M. Jennie Critzer, | *Wakarusa.* |
| Alice E. Goss, | *Wakarusa.* |
| Mary E. Herrington, | *Lawrence.* |
| Kate G. Jenkins, | *Lawrence.* |
| Louisa Rankin, | *Lawrence.* |
| N. Alma Richardson, | *Monroe, Wis.* |
| Grace E. M. Scoullar, | *St. Johns, N. B.* |
| Selina Wilson, | *Lawrence.* |
| Andrew Atchison, | *Richmond.* |
| Jonathan W. Ball, | *Olathe.* |
| Fernando S. Barber, | *Canterbury, Conn.* |

| NAMES. | RESIDENCES. |
|---|---|
| Junius G. Hadley, | *Wyandotte.* |
| Henry E. Lewis, | *Lawrence.* |
| Harry A. Metcalf, | *Ottawa.* |
| Frank H. Morgan, | *Lawrence.* |
| Walter E. Pearson, | *Wakarusa.* |

**Junior Class.**

| | |
|---|---|
| Beatrice Alberty, | *Cherokee Nation.* |
| Alta May Frazier, | *Clinton.* |
| Martha A. Gilbert, | *Springdale.* |
| Pauline Gray, | *Alliance, O.* |
| Angie Hawkins, | *Lafayette, Ind.* |
| Leonore Hiatt, | *Twin Mound.* |
| Fannie Hughson, | *Kanwaka.* |
| Judith Keith, | *Cincinnati, O.* |
| Mary E. Murphy, | *Olathe.* |
| Fannie Osburne, | *Lawrence.* |
| Emma A. Savage, | *Wakarusa.* |
| Mary H. Thacher, | *Lawrence.* |
| Ella M. Waters, | *Lawrence.* |
| | |
| Theodore Anthony, | *Peoria.* |
| L. H. Clark, | *Olathe.* |
| Thomas Cosley, | *Lawrence.* |
| Flemmon Duncan, | *Lawrence.* |
| John A. Marchant, | *Liberty.* |
| John A. McCracken, | *Chesterfield, Conn.* |
| Alfred W. Mitchell, | *Leavenworth.* |
| Willard P. Mitchell, | *Leavenworth.* |
| William A. Nichols, | *Fort Leavenworth.* |
| George Ogden, | *Lawrence.* |
| Albert Richardson, | *Monroe, Wis.* |
| Charles L. Stevens, | *Paola.* |
| Colin Timmons, | *New Holland, O.* |

| NAMES. | RESIDENCES. |
|---|---|
| Lauren E. Watkins, | *Franklin.* |
| Dibert Yeagley, | *Berlin, Canada.* |

## SCIENTIFIC COURSE.

### Senior Class.

| | |
|---|---|
| Ida Berry, | *Independence.* |
| Mary C. Burnett, | *Grant.* |
| Mary A. Eidemiller, | *Kansas City, Mo.* |
| Florence N. Hendry, | *Wakarusa.* |
| Ella F. Kimball, | *Lawrence.* |
| Clara L. Morris, | *Lawrence.* |
| George D. Allen. | *Lawrence.* |
| Edward F. Burnett, | *Grant.* |
| John T. Grant, | *Wakarusa.* |
| Elias Hughson, | *Kanwaka.* |
| Gilbert H. Morgan, | *Grant.* |

### Middle Class.

| | |
|---|---|
| Sarah L. Allen, | *Wakarusa.* |
| Sallie Anderson, | *Toledo, O.* |
| Savonia C. Glynn, | *Woodstock.* |
| Ella M. Hadley, | *Lawrence.* |
| May Harris, | *Bowling Green, Mo.* |
| Emma Hawkins, | *St. Louis, Mo.* |
| Sarah E. Longfellow, | *Wakarusa.* |
| Ida F. Phillips, | *Chicago, Ill.* |
| Gertrude Piper, | *Wakarusa.* |
| Kate S. Smeed, | *Lawrence.* |
| Lucy W. Smith, | *Marietta, O.* |
| Carrie M. Watson, | *Lawrence.* |

| NAMES. | RESIDENCES. |
|---|---|
| Clementina Wilson, | *Greenfield, O.* |
| Lizzie Yeagley, | *Berlin, Canada.* |
| Edwin E. Abrams, | *Peru, Ill.* |
| Edward S. Davis, | *Wellington.* |
| Charles H. Grew, | *Wakarusa.* |
| Frank C. Montgomery, | *Lawrence,* |
| Lewis B. Rogers, | *Leavenworth.* |

**Junior Class.**

| | |
|---|---|
| Jennie E. Balch, | *Lanesfield.* |
| Helen Ball, | *Olathe.* |
| Jennie S. Bowker, | *Lawrence.* |
| Hannah M. Brown, | *Kansas City, Mo.* |
| Anna M. Carpenter, | *Lawrence.* |
| Ada Charlton, | *Lawrence.* |
| Ida Cramer, | *Lawrence.* |
| Ella Crandall, | *Lawrence.* |
| Clara A. Durland, | *Honesdale, Pa.* |
| Helen E. Eidemiller, | *Kansas City, Mo.* |
| Adie Gilluly, | *Sarcoxie.* |
| Sophie Gleason, | *Lawrence.* |
| Carrie Goss, | *Wakarusa.* |
| Vara Gunn, | *Junction City.* |
| Anna Hancock, | *Lawrence.* |
| Lucy Hollister, | *Woodsfield, O.* |
| Effie D. Hyde, | *Lawrence.* |
| Gertrude B. Oliver, | *Lawrence.* |
| Anna Reser, | *Lawrence.* |
| Julia E. Reynolds, | *Wakarusa.* |
| Florence J. Saunders, | *Blue Jacket.* |
| Mary Shaw, | *Burlington.* |
| Eva Speer, | *Lawrence.* |
| Mary Stouch, | *Garnett,* |

| NAMES. | RESIDENCES. |
|---|---|
| Nellie Walton, | *Ottawa.* |
| Lizzie Williamson, | *Griggsville, Ill.* |
| George W. Baldridge, | *Lawrenceburg, Ind.* |
| Jesse S. Batdorff, | *Lawrence.* |
| John T. Frazier, | *Franklin.* |
| Charles Gunn, | *Junction City.* |
| William Hollister, | *Woodsfield, O.* |
| William S. Irvine, | *Wakarusa.* |
| Charles Kimball, | *Lawrence.* |
| J. H. Kissell, | *Jersey Shore, Pa.* |
| Arthur McCoy, | *Lawrence.* |
| Albert Phenis, | *Eureka.* |
| Albert Reynolds, | *Lawrence.* |
| Charles E. Sargent, | *Lawrence.* |
| Horatio A. Sweatland, | *Northville, Ill.* |
| John M. Walker, | *Wakarusa.* |

**Select Course.**

| | |
|---|---|
| Callie Adair, | *Cherokee Nation.* |
| Lizzie Arms, | *Lawrence.* |
| Adie F. Bangs, | *Boston, Mass.* |
| Clara Bell, | *Oskaloosa.* |
| Lolie Bell, | *Elkhorn, Wis.* |
| Eliza Borden, | *Pine Bluff, Ark.* |
| Lizzie K. Dixon, | *Calhoun, Mo.* |
| Juliet Downer, | *Salina.* |
| Sarah Downer, | *Salina.* |
| Lidie Durland, | *Lawrence.* |
| Leonora Espy, | *Union City, Ind.* |
| Mary E. Gaumer, | *Wakarusa.* |
| Marion G. Gilluly, | *Sarcoxie.* |
| Mary A. Gleason, | *Lawrence.* |
| Kate Harris, | *Oskaloosa.* |

| NAMES. | RESIDENCES. |
|---|---|
| Abbie A. Holt, | *Humboldt.* |
| Adella Huson, | *Lawrence.* |
| Emma M. Hyde, | *Lawrence.* |
| Fannie M. Lum, | *Wakarusa.* |
| Mary E. Moore, | *Lawrence.* |
| Hattie Mowry, | *Wilmington, Vt.* |
| Mary E. Mull, | *Wakarusa.* |
| Mary McCauley, | *Summitville, O.* |
| Anna Neill, | *Lexington, Mo.* |
| E. E. Phelps, | *Clyde, O.* |
| Ella Prentiss, | *Wakarusa.* |
| Mary E. Richardson, | *Monroe, Wis.* |
| Kate Schmucker, | *Wakarusa.* |
| Anna Sears, | *Clay Centre.* |
| Elizabeth J. Service, | *Wakarusa.* |
| Nettie Shanklin, | *Lawrence.* |
| Maria Smith, | *Grasshopper Falls* |
| Mary H. Sparr, | *Grant.* |
| Eva Stansbury, | *Chicago, Ill.* |
| Sarah L. Walker, | *Wakarusa.* |
| | |
| Zachariah Abernathy, | *Harrisonville, Mo.* |
| S. N. Beavers, | *Ottumwa.* |
| Morgan Boone, | *Westport, Mo.* |
| Charles M. Buckles, | *Ottumwa.* |
| John Cannon, | *Mound City.* |
| Austin Cook, | *Lexington.* |
| John L. Coons, | *Spring Hill.* |
| H. W. Deacon, | *Garnett.* |
| Thomas S. Devereux, | *Lawrence.* |
| A. P. Elder, | *Ottawa.* |
| V. R. Elliott, | *Warrensburg, Mo.* |
| W. J. Van Eman, | *Leavenworth.* |
| W. H. Fletcher, | *Erie.* |

| NAMES. | RESIDENCES. |
|---|---|
| E. H. Fox, | *Ridgeway.* |
| L. L. Harris, | *Oskaloosa.* |
| Robert B. Hill, | *Hesper.* |
| Thomas James, | *Chicago, Ill.* |
| Ezra J. Kelso, | *Wakarusa.* |
| Eugene Kennedy, | *Wakarusa.* |
| Henry N. Kirkpatrick, | *Carlyle.* |
| William T. Lambert, | *Denver, Col.* |
| John W. Lawrence, | *Olathe.* |
| Floyd McMahon, | *Fredericksb'g, Ind* |
| Robert Mitchell, | *Kanwaka.* |
| William E. Moore, | *Lawrence.* |
| F. M. Nichols, | *Ulster, Pa.* |
| Arthur G. Noteman, | *Olathe.* |
| N. B. Osburne, | *Clinton.* |
| Eric Owens, | *Emporia.* |
| William McQuinton, | *Lawrence.* |
| James L. Raines | *Oskaloosa.* |
| John L. Sancomb, | *Lawrence.* |
| Frank A. Taylor, | *Lyndon.* |
| Henry Shepherd, | *Prairie City.* |
| F. M. Shinn, | *Le Roy.* |
| David Shirar, | *Wakarusa.* |
| David Shuey, | *East Lynn, Mo.* |
| Porter Skinner, | *Lawrence.* |
| Herbert L. Slosson, | *Lawrence.* |
| Frank D. Smith, | *Lawrence.* |
| Milton B. Sparks, | *Bristol, Conn.* |
| Everett L. Stevens, | *Kansas City, Mo.* |
| John M. Stone, | *Lecompton.* |
| C. F. Sweatland, | *Ottawa.* |
| Thomas Sweeney, | *Lawrence.* |
| B. L. Taft, | *Chetopa.* |
| William L. Tileston, | *Chetopa.* |

| NAMES. | RESIDENCES. |
|---|---|
| Philip I. Tresch, | *Shelton, Ind.* |
| Joseph H. Weeks, | *Cleveland, O.* |
| M. T. Wier, | *Greenville, Ky.* |
| John L. Yancey, | *Newcastle, Wis.* |

# SUMMARY OF GENERAL RECORD.

Total number of students examined since the issue of the last annual catalogue (February, 1871),..... 292
Number of students "accepted" and enrolled, and constituting aggregate attendance as exhibited in this catalogue,..... 265

# SUMMARY OF CLASSIFICATION.

| | Males. | Fem's. | Total. |
|---|---|---|---|
| **Collegiate Department.** | | | |
| Classical Course—Senior Class..... | .. | .. | .. |
| Classical Course—Junior Class..... | 2 | 1 | 3 |
| Classical Course—Sophomore Class..... | 3 | 3 | 6 |
| Classical Course—Freshman Class,..... | 2 | 5 | 7 |
| Scientific Course—Senior Class..... | .. | .. | .. |
| Scientific Course—Junior Class..... | 2 | 1 | 3 |
| Scientific Course—Sophomore Class..... | 1 | 2 | 3 |
| Scientific Course—Freshman Class..... | 2 | 3 | 5 |
| Select Course,..... | 16 | 13 | 29 |
| **Preparatory Department.** | | | |
| Classical Course—Senior Class..... | 4 | 2 | 6 |
| Classical Course—Middle Class..... | 8 | 9 | 17 |
| Classical Course—Junior Class..... | 15 | 13 | 28 |
| Scientific Course—Senior Class..... | 5 | 6 | 11 |
| Scientific Course—Middle Class..... | 5 | 14 | 19 |
| Scientific Course—Junior Class..... | 15 | 26 | 41 |
| Select Course..... | 51 | 36 | 87 |
| | 131 | 134 | 265 |

N. B. The name of each student appears only once in the catalogue.

# Courses of Instruction.

## COLLEGIATE DEPARTMENT.

Of the several Departments contemplated in the act of incorporation, only one has been as yet organized, viz-: the *Department* of *Science, Literature and the Arts.* This Department, at present, comprises three courses of instruction, viz.:—a *Classical Course*, leading to the degree of Bachelor of Arts; a *Scientific Course*, leading to the degree of Bachelor of Science; and a *Course* in *Civil* and *Topographical Engineering*, leading to the degree of Bachelor of Civil and Topographical Engineering. Other courses of instruction will be added as the growth of the State and of the University may render advisable.

### Terms of Admission.

Candidates for admission to the *Freshman Class*, in the CLASSICAL COURSE, are examined in the following studies, viz.:

Cæsar—four books.
Virgil—the first six books in tha Æneid.
Arnold's Latin Prose Composition, to the Passive Voice.
Cicero—Six Orations.
Crosby's First Lessons in Greek.
Xenophon's Anabasis—three books.
Arithmetic.
Pencil Drawing.
Geography.
History of the United States.
English Grammar.
Elementary Natural Philosophy.
Algebra, to Quadratic Equasions.
Geometry—the first four books.
Elementary Physiology.
Elementary Botany.
Elementary Zoology.

Candidates for admission to the *Freshman Class* of the SCIENTIFIC COURSE are examined in the following studies, viz.:

English Grammar.
Geography.
Grammar and Reader in Latin, or French, or German.
History of the United States.
Elementary Natural Philosophy.
Elementary Botany.
Elementary Zoology.
Elementary Physiology.
Arithmetic.
Algebra, to Quadratic Equations.
Geometry—the first four books.
Pencil Drawing.

### Advanced Standing.

Candidates for admission to advanced standing are examined in all the studies previously pursued by the classes which they propose to enter.

### Testimonials.

Testimonials of good moral character are in all cases required. Students who are admitted from other Colleges must produce certificates of dismission in good standing.

## CLASSICAL COURSE.

### Freshman Class.

FIRST SESSION.

Latin—Cicero de Amicitia; Latin Prose Composition.
Greek—Herodotus; Greek Prose Composition.
Algebra.
English—Structure and History of the Language.—Latham or Angus.
Vocal Music—Harmony; Choral Harmonization; Choral Composition.

SECOND SESSION.

Latin—Livy; Latin Prose Composition.
Greek—Homer's Odyssey; Greek Prose Composition.
Geometry.
Modern European History, with Introduction.

Vocal Music—History and Aesthetics of Music; Philosophy of Musical Sounds

## Sophomore Class.

FIRST SESSION.

Latin—Horace's Odes and Epistles.
Greek—Demosthenese' Select Orations.
Trigonometry.
Modern History.

SECOND SESSION.

Latin—Select Comedies and Satires.
Greek—Demosthenes de Corona.
Analytical Geometry.
Ancient History.

## Junior Class.

FIRST SESSION.

Latin—Tacitus.
Physics.
Rhetoric and Elements of Criticism.
Physical Geography and Geology.

SECOND SESSION.

German or French.
History of English Prose Literature, and Criticism.
Geology.
Physics,
Logic.

## Senior Class.

FIRST SESSION.

German or French.
Mental Philosophy.
Political Economy.

History of English Poetry, and Criticism.
Astronomy.
Natural Theology.
General Chemistry—Lectures, witth experiments.

SECOND SESSION.

Moral Philosophy.
Constitutional History.
Astronomy.
Butler's Analogy.
General Chemistry—Lectures, with experiments.

## SCIENTIFC COURSE.

### Freshman Class.

FIRST SESSION.

Algebra.
Structure and History of English Language—Latham or Angus.
Human Anatomy and Physiology.
Latin, or French, or German.
Elementary Laboratory Practice in Chemistry.
Drawing.
Vocal Music—Harmony; Choral Harmonization ; Choral Composition.
Botany, with Field Practice.
Laboratory Practice in Chemistry.
Laboratory Practice in Physics.

SECOND SESSION.

Geometry.
English—Rhetoric and Composition.
Modern European History, with Introduction.
Botany, with Field Practice.
Drawing.
Human Anatomy and Physiology.
Latin, or French, or German.
Elementary Laboratory Practice in Chemistry.

Vocal Music—History and Aesthetics of Music; Philosophy of Musical Sounds.

Laboratory Practice in Chemistry.

Laboratory Practice in Physics.

## Sophomore Class.

FIRST SESSION.

Zoology.

Trigonometry, with instruction in the theory, adjustment and use of instruments.

English—Modern History.

Drawing.

Laboratory Practice in Physics.

Office and Field Practice in Surveying and Leveling.

Laboratory and Field Practice in Zoology.

Laboratory Practice in Chemistry.

Latin, or French, or German.

SECOND SESSION.

Zoology.

Analytical Geometry.

Ancient History.

Drawing.

Laboratory Practice in Physics.

Laboratory and Field Practice in Zoology.

Observatory and Field Practice in Astronomy.

Laboratory Practice in Chemistry.

Latin, or French, or German.

## Junior Class.

FIRST SESSION.

Calculus.

Physical Geography and Geology.

Laboratory and Field Practice in Geology.

Higher Laboratory Practice in Chemistry.

Rhetoric, and Elements of Criticism.

SECOND SESSION.

Calculus.

Geology.

Logic.

Laboratory and Field Practice in Geology.
Higher Laboratory Practice in Chemistry.
History of English Prose Literature, and Criticism.

### Senior Class.

FIRST SESSION.

Mental Philosophy.
Political Economy.
Physical Astronomy.
History of English Poetry and Criticism.
Meteorology.
General Chemistry—Lectures, with experiments.
Observatory and Field Practice in Astronomy.

SECOND SESSION.

Moral Philosophy.
Constitutional History.
Physical Astronomy.
Meteorology.
General Chemistry—Lectures, with experiments.
Observatory and Field Practice in Astronomy.

## COURSE OF CIVIL AND TOPOGRAPHICAL ENGINEERING.

### Freshman Class.

Studies—Same as those of Freshman Class in Scientific Course.

### Sophomore Class.

Studies—Same as those of Sophomore Class in Scientific Course.

## Junior Class.

FIRST SESSION.

Differential and Integral Calculus; Analytical Mechanics.

Descriptive Geometry and its applications to Shades, Shadows, and Perspective.

Drawing.—Topography; Higher Surveying; Hydrography; Geodesy.

French, or German.

SECOND SESSION.

Analytic Mechanics continued.

Spherical Astronomy; Geodesy with determination of Latitude and Longitude.

Higher Surveying and Hydrography—Field Practice.

Rankin's Civil Engineering begun—Lectures.

Logic.

French, or German.

## Senior Class.

FIRST SESSION.

Descriptive Geometry applied to Masonry and Carpentry.

Drawing—Right Line; Topography; Water Colors.

Structures of *Wood*—Framing; Roofs and Bridges.

Structures of *Stone and Iron*—Foundations, Arches, and Bridges.

Construction of Roads and Canals.

Rankin's Civil Engineering—Lectures.

Field Practice.

SECOND SESSION.

Rankin's Civil Engineering.

Bridges, Breakwaters, and Tunnels.

Structures of *Iron*—Foundations, Beams, Girders, and Columns.

Geology and Chemistry of the Materials used in Construction.

Field Practice.

Supply and Distribution of *Water*—Distribution of Gas; Drainage.

Lectures on History, Political Economy, and the Science of Government.

Lectures on Mental and Moral Philosophy.

# PREPARATORY DEPARTMENT.

This Department has been organized to supply the existing want of suitable Preparatory Schools in the State, and therefore will not be made a permanent feature of the University.

### Terms of Admission.

Candidates for admission to the Junior Class are examined in the following studies, viz:

Orthography.
Reading.
Mental Arithmetic.
Written Arithmetic, to Interest.
Elements of Geography.
Elements of English Grammar.

### Advanced Standing.

Candidates for admission to adavnced standing are examined in all the studies previously pursued by the classes which they propose to enter.

### Testimonials.

Testimonials of good moral character are in all cases required.

## CLASSICAL COURSE.

### Junior Class.

FIRST SESSION.

Latin—Harkness' Latin Grammar and Latin Reader.
English—Elementary Grammar; Composition; Elocution.
Arithmetic.
Elementary Botany, with Field Practice.
Descriptive Geography; Map Drawing.
Drawing.

SECOND SESSION.

Latin—Cornelius Nepos.
English—Elementary Grammar; Composition; Select Declamations.
Arithmetic.
Elementary Botany, with Field Practice.
Descriptive Geography; Map Drawing.
Drawing.

## Middle Class.

FIRST SESSION.

Latan—Cæsar's Commentaries; Harkness' Latin Grammar.
Higher Arithmetic.
Elementary Natural Philosophy.
History of the United States.
Physical Geography.
Drawing.
Vocal Music—Notation; Solmization; Major Scales; Registers of Voice; Chorus Singing.

SECOND SESSION.

Latin—Cicero's Orations; Latin Prose Composition.
Elementary Algebra.
Elementary Natural Philosophy.
History of the United States; Outline of the Constitution; Lectures.
Physical Geography; Drawing of Physical Charts.
Drawing.
Vocal Music—Notations; Solmization; Major Scales; Registers of Voice; Chorus Singing.

## Senior Class.

FIRST SESSION.

Latin—Cicero's Orations; Latin Prose Composition.
Greek—Crosby's First Lessons.
Elementary Algebra.
Elementary Zoology.
English Analysis and Composition.

Descriptive Astronomy; Use of Globes; Telescopic Observation of the Planets, &c.

Vocal Music—Intervals; Minor and Chromatic Scales; Chorus Singing.

SECOND SESSION.

Latin—Virgil's Æneid; Prosody.

Greek—Xenophon's Anabasis.

Geometry—first four books.

Elementary Zoology, with Field Practice.

English—Etymology and Synonyms.

Descriptive Astronomy; Evening Study of Constellations; Telescopic Observations.

Vocal Music—Intervals; Minor and Chromatic Scales; Chorus Singing.

## SCIENTIFIC COURSE.

### Junior Class.

FIRST SESSION.

English—Elementary Grammar; Composition; Elocution.

Descriptive Geography; Map Drawing.

Arithmetic.

Elementary Botany, with Field Practice.

French or Latin.

Drawing.

SECOND SESSION.

Elementary Botany, with Field Practice.

English—Elementary Grammar; Composition; Select Declamations.

Arithmetic.

Descriptive Geography; Map Drawing.

French or Latin.

Drawing.

## Middle Class.

FIRST SESSION.

Elementary Algebra.
Elementary Natural Philosophy.
History of the United States.
Physical Geography.
Elementary Chemistry.
Drawing.
French or Latin.
Vocal Music—Notation; Solmization; Major Scales; Registers of Voice; Chorus Singing.

SECOND SESSION.

Higher Arithmetic.
Elementary Natural Philosophy.
History of the United States; Outline of the Constitution; Lectures.
Elementary Chemistry.
Physical Geography; Drawing of Physical Charts.
French or Latin.
Drawing.
Vocal Music—Notation; Solmization; Major Scales; Registers of Voice; Chorus Singing.

## Senior Class.

FIRST SESSION.

Elementary Course in Human Anatomy and Physiology.
Elementary Algebra.
English Analysis and Composition.
Elementary Zoology.
Descriptive Astronomy; Use of Globes; Telescopic Observations of Planets, &c.
German, or French, or Latin.
Vocal Music—Intervals; Minor and Chromatic Scales; Chorus Singing.

SECOND SESSION.

Elementary Course in Human Anatomy and Physiology.
English—Etymology and Synonyms.

Geometry—the first four books.

Elementary Zoology, with Field Practice.

Descriptive Astronomy; Evening Study of the Constellations; Telescopic Observations.

German, or French, or Latin.

Vocal Music—Intervals; Minor and Chromatic Scales; Chorus Singing.

# Miscellaneous Information.

## SELECT COURSE OF STUDY.

Students who desire to confine their attention to special branches, adapted to their requirements and attainments, are permitted, subject to the advice of the Faculty, to take such a select course of study as they can pursue with advantage.

## APPARATUS OF INSTRUCTION.

The *Chemical Department* is supplied with laboratory stands and with the apparatus and chemicals requisite for a complete course of laboratory practice in Analytical Chemistry.

The Department of Astronomy is provided with a Green's *Standard Barometer* and Thermometer, an Astronomical Clock, and a five-feet Astronomical Transit with illuminating lamps, for the use of students in Observatory Practice; and with a Gambey's Sextant, an Artificial Horizon, and a Negus Box Chronometer, for use in Field Practice in Astronomy.

The Department of Engineering possesses an Engineer's Transit, an Engineer's Y Level, and all the requisite accompaniments for the most approved kind of *Office* and *Field* work in engineering.

The collection of Philosophical Apparatus affords the means of making a wide range of experimental illustrations in Mechanics and Physics.

The Cabinet for the illustration of Geology, Mineralogy and Zoology, contain a valuable and useful collection of specimens. The friends of the University are invited to send to these Cabinets such specimens as may add to their completeness.

## SESSIONS AND VACATIONS.

The Academic year is divided into two sessions of twenty weeks each. The first or winter session is relieved by a recess, which includes the Christmas and New Year holidays; the second or summer session, by

a recess of one week, beginning at or near the 20th of March. The summer vacation begins at Commencement, and continues twelve weeks.

Students are particularly requested to be punctual in their attendance at the opening of the session, as indicated in the calendar.

## EXAMINATIONS.

Public examinations of the classes are held at the close of each session, on the studies of the session; and, at the close of the Academic year, on all the studies of the year.

The time allotted to each examination is equally divided between *oral* and *written* exercises.

## EXPENSES.

By the munificence of the State, tuition in the University has been made free in all its departments. No charges are made, except an annual contingent fee of $10.

Orphans of soldiers, and of citizens killed in Quantrell's raid, are exempt from the payment of the contingent fee.

Board in private families may be had for $4 per week.

By uniting in clubs, and boarding themselves, students may reduce their expenses one-half.

## LIBRARY.

The nucleus of a Library has been secured, to which additions are being made from time to time.

## LITERARY SOCIETY.

A large and well conducted Literary Society holds weekly meetings, on Friday exenings, in the University Chapel.

## DEGREES.

The degree appropriate to each Course of Study is conferred upon students who have completed the Course, and have passed satisfactory examination in the same.

## DEVOTIONAL EXERCISES.

Devotional exercises are held in the Chapel every morning. All the students who recite during the first hour, are required to be present.

## DISCIPLINE.

Students are required to be in their places, at all stated exercises, from the beginning to the end of their connection with the University.

Students must present a satisfactory excuse for every absence from any class or duty, before they will be permitted to resume their places in the University.

Excuses for absence from recitation must in all cases be rendered to the Professor who conducts the recitation, and shall by him be reported to the Faculty for record.

All unexcused delinquencies are registered; and when the number amounts to five, notice thereof is given to the student and to his parent or guardian. When the number of unexcused delinquencies amounts to ten, the student ceases to be a member of the University.

Students are not allowed to absent themselves from town without permission from the President.

## DONATIONS.

By the respective publishers:

The Kansas Daily Commonwealth.
The Leavenworth Weekly Times
The Lawrence Daily Tribune.
The Lawrence Democratic Standard.
The Seneca Courier.

By the Smithsonian Institution:

114 species European and British Shells.
12 species N. A. Land and Fresh Water Shells.
34 species Marine Shells, collected by U. S. Exploring Expedition, chiefly at Mazatlan, California.
104 species Marine Shells, from various localities in both hempheres.
28 species Vancouver and California Shells.
22 species fossils from the Upper Missouri and Yellowstone, collected by F. V. Hayden.
34 Miscellaneous fossils of the United States, collected by F. B. Meek.
22 casts of rare fossils of Germany and America.
147 Geological and Minerological specimens from all parts of the globe.
23 specimens building stone, used in the government buildings at Washington.
125 species of Birds, collected in Wyoming Territory by U. S. Survey under F. V. Hayden.

By J. Savage, Esq.:

30 specimens of Minerals, chiefly from New England.

By J. E. Bartlett, Esq.:

50 specimens (15 species) of the Mollusks of Kansas.

By Prof. F. H. Snow:

50 species of Kansas Birds.

10 species of Kansas Mammals.

By Students of the University, under direction of Prof. Snow:

800 specimens of Kansas Insects, of which 600 were contributed by Geo. F. Gaumer, and 150 by Samuel Carson.

1500 specimens Kansas Plants, of which 300 were contributed by Frank F. Dinsmoor and Mertie C. Brett, and 100 each by Frank Bassett and Lizzie Williams.

By G. M. Walker, Esq.:

Ammonites, Favorite and other fossils, from the Red River region of the Indian Territory.

By W. A. Rankin, Esq.:

Fossils from the Cherokee Country.

By Col. Smeed:

Petrifactions of Wood from Colorado.

By C. T. K. Prentiss. Esq.:

16 specimens of polished Marbles, used in the construction of the U. S. Capitol.

# CALENDAR FOR 1872.

Jan. 2—Christmas Recess ends..... Tuesday.
Jan. 19—Semi-annual Examinations begin..... Friday.
Jan. 23—Semi-annual Examinations end..... Tuesday.
Jan. 23—First Session ends..... Tuesday.
Jan. 24—Second Session begins..... Wednesday.
March 23—Spring Recess begins..... Saturday.
March 30—Spring Recess ends..... Saturday.
June 5—Annual Examinations begin..... Wednesday.
June 11—Annual Examinations end..... Tuesday.
June 12—Second Session ends..... Wednesday.

SUMMER VACATION OF TWELVE WEEKS.

Sept. 4—First Session begins..... Wednesday.
Sept. 4—, Sept. 5— } Examination of Candidates for Admission... { Wednesday. Thursday.
Dec. 21—Christmas Recess begins..... Saturday.

# CALENDAR FOR 1873.

Jan. 4—Christmas Recess ends..... Saturday.
Jan. 16—Semi-annual Examinations begin..... Thursday.
Jan. 21—Semi-annual Examinations end..... Tuesday.
Jan. 21—First Session ends..... Tuesday.
Jan. 22—Second Session begins..... Wednesday.
March 22—Spring Recess begins..... Saturday.
March 29—Spring Recess ends..... Saturday.
June 4—Annual Examinations begin..... Wednesday.
June 10—Annual Examinations end..... Tuesday.
June 11—Second Session ends..... Wednesday.

SUMMER VACATION OF TWELVE WEEKS.

Sept. 3—First Session begins..... Wednesday.
Sept. 3—, Sept. 4— } Examination of Candidates for Admission... { Wednesday. Thursday.
Dec. 20—Christmas Recess begings..... Saturday.

# LOCATION.

The University is located in the city of Lawrence, Douglas County, Kansas, about a mile from the intersection of the Kansas Pacific, and Leavenworth, Lawrence & Galveston Railways.

# ORGANIZATION OF THE UNIVERSITY.

## I. Act of Congress.

By act of Congress it was ordered:

"That seventy-two sections of land shall be set apart and reserved for the use and support of a State University, to be selected by the Governor of said State, subject to the approval of the Commissioners in the General Land Office, and to be appropriated and applied in such a manner as the Legislature of said State may prescribe, for the purposes aforesaid, but for no other purpose."

Approved January 29th, 1861.

## II. Constitutional Provision.

SECTION 7. Provision shall be made by law for the establishment, at some eligible and central point, of a State University, for the promotion of literature and the arts and sciences, including a Normal and Agricultural Department. All funds arising from the sale and rents of lands granted by the United States to the State for the support of a State University, and all other grants, donations or bequests, either by the State or by individuals for such purposes, shall remain a perpetual fund, to be called the "University Fund," the interest of which shall be appropriated to the support of a State University.

SEC. 8. No Religious sect or sects shall ever control any part of the Common School or University funds of the State.

## III. University Charter.

SECTION 1. There shall be established in this State, at or near the city of Lawrence, in the county of Douglas, on the grounds secured for that

purpose, pursuant to the act entitled "An act to locate the State University," passed February 20, 1863, an institution of learning, under the name of the University of Kansas.

SEC. 2. The object of the University shall be to provide the inhabitants of this State with the means of acquiring a thorough knowledge of the various branches of Literature, Science and the Arts.

SEC. 3. The government of the University shall vest in a Board of Regents, to consist of a President and twelve members, who shall be appointed as herein after provided, and the Superintendent of Public Instruction and Secretary of State shall also, during their respective terms of office, be *ex-officio* members of said Board. A majority of the Board shall Constitute a puorum for the transaction of business.

SEC. 4. The members of the Board of Regents shall be appointed by the Governor of the State, by and with the advice and consent of the Senate, two-thirds of the Senators concurring therein, and shall hold their offices respectively, except those appointed to the first Board, for the term of six years from the first Monday of September succeeding their appointment, and until the appointment of a successor: *Provided*, That not more than three of the Regents to be appointed shall be members of the same religious denomination. Immediately upon the passage of this act, it shall be the duty of the Governor to appoint the members of the first Board of Regents, four of whom he shall appoint for two four for four, and four for six years, from the first day of September next; and every second year after the passage of this act, there shall be appointed, as aforesaid, for the term of six years, four members of said Board; whose terms of office shall commence on the first day of September after their appointment.

SEC. 5. Whenever there shall be a vacancy in the office of Regent of the University, from any cause whatever, it shall be the duty of the Governor to fill such vacancy by appointment, and the person or persons so appointed shall continue in office until the close of the Legislature next thereafter, and until others are appointed in their stead.

SEC. 6. The Regents of the University, and their successors in office, shall constitute a body corporate, with the name and style of the Regents of the University of Kansas, with the right, as such, of suing and being sued, of contracting and being contracted with, of making and using a common seal, and altering the same at pleasure.

SEC. 7. The Regents shall appoint a Secretary, a Treasurer and a Librarian, who shall hold their respective offices during the pleasure of the Board. It shall be the duty of the Secretary to record all the proceedings of the Board, and carefully to preserve all its books and papers.

The Treasurer shall keep a true and faithful account of all moneys received and paid out by him, and shall give such bonds for the faithful performance of the duties of his office as the Regents may require.

SEC. 8. The Regents shall have power, and it shall be their duty, to enact laws for the government of the University, to elect a Chancellor, who shall be *ex-officio* President of the Board of Regents, or, when absent, the Board appoint a President *pro tem.* They may also appoint a requisite number of Professors and Tutors, and such other officers as they may deem expedient; also determine the amount of their respective salaries.

* * * * * *

SEC. 10. The University shall consist of six departments. First, the Department of Science, Literature and the Arts; second, the Department of Law; third, the Department of Medicine; fourth, the Department of Theory and Practice of Elementary Instruction; fifth, the Department of Agriculture; sixth, the Normal Department. The immediate government of the several departments shall be entrusted to their respective Faculties, but the Regents shall have the power to regulate the course of instruction, and prescribe, under the advice of the Professor, the books and authorities to be used in the several departments, and also to confer such degrees and grant such diplomas as are usually conferred and granted by other Universities.

SEC. 11. The Regents shall have power to remove any officer connected with the institution when in their judgment the interests require it.

SEC. 12. The fee of admission to the University shall never exceed ten dollars, and the charge for tuition in the first and fourth Departments shall never exceed in one year, to the residents of the State, thirty dollars; and, as soon as the increase of the University fund will permit, tuition in those Departments shall be without charge to all students in the same who are residents of the State.

* * * * * *

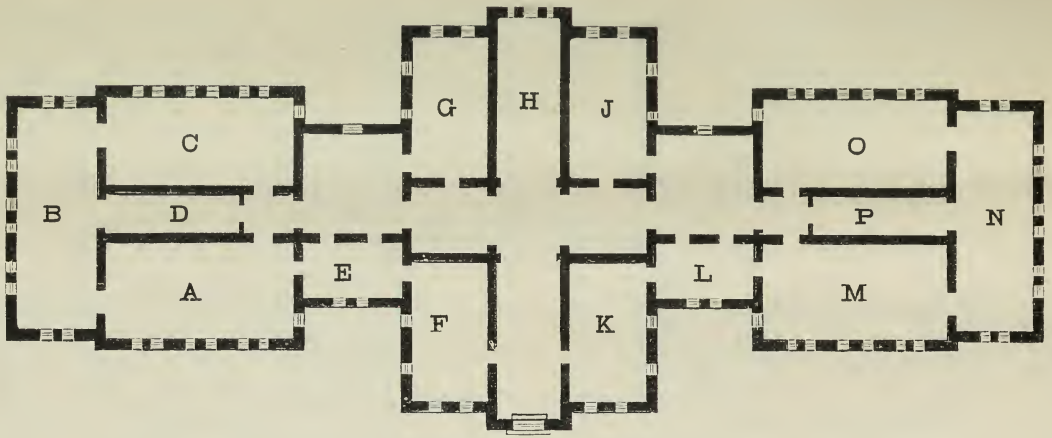
SEC. 14. The Regents shall make a report annually to the Legislature, at its regular session, exhibiting the state and progress of the University in its several Departments, the course of study, the number of Professors and students, the amount of expenditures, and such other information as they may deem proper. Meetings of the Board may be called in such manner as the Regents may prescribe, and any seven of them, at a

meeting regularly called, shall be a quorum for the transaction of business, and a less number may adjourn from time to time. No sectarian tenets or opinions shall be required to entitle any person to be admitted as a student in said University, and no such tenets or opinions shall be required as a qualification for any person as Tutor or Professor of said University.

* * * * * *

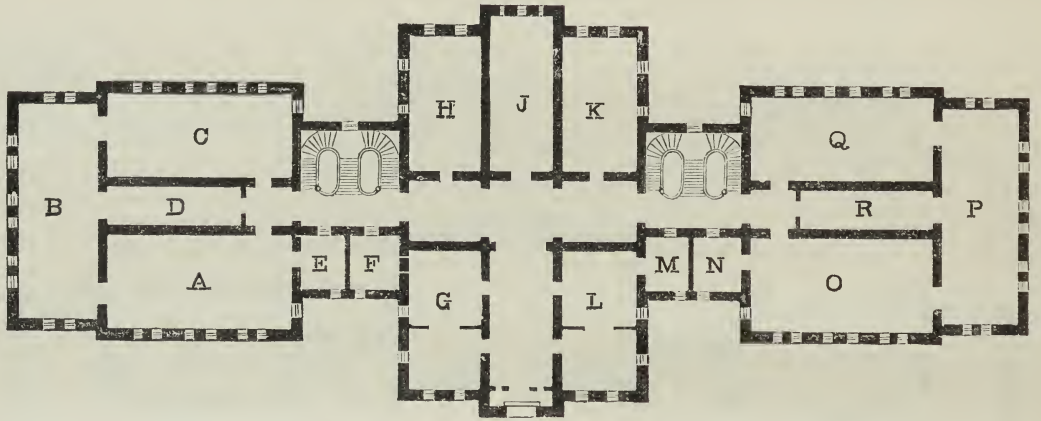
SEC. 16. This act to take effect on and after its passage.

Approved March 4, 1864.



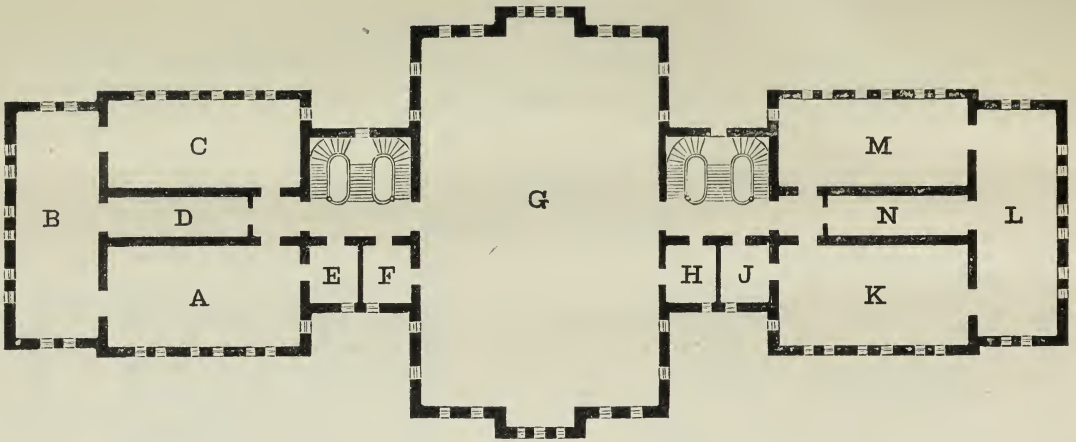

PLAN OF BASEMENT.

A. Chemical Lecture Room.
B. Laboratory for beginners in Chemistry.
C. Laboratory for advanced students in Chemistry.
D. Regent Room.
E. Balance Room.
F. Private Laboratory of Professor of Chemistry.
G. Chemical Storeroom.
H. } General Storerooms.
J. }
K. Janitor's Room.
L. Standard Weights and Measures.
M. Blowpipe Laboratory.
N. Workshop.
O. Metallurgical Laboratory.
P. Tools add Materials.



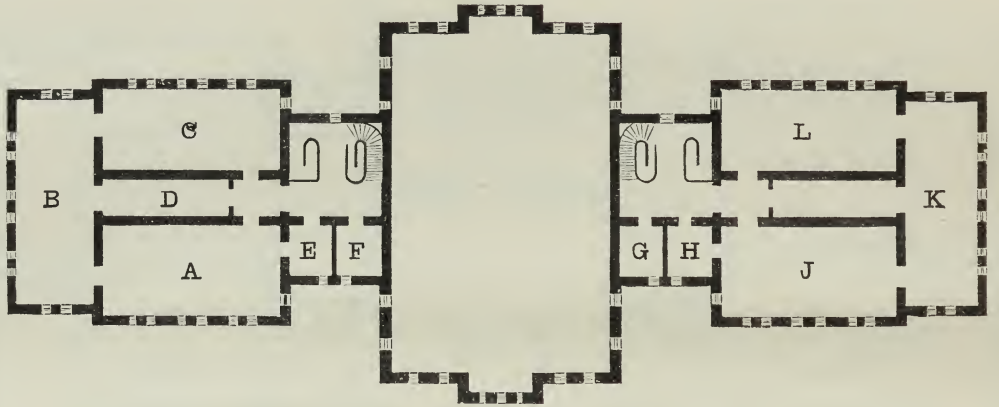

## PLAN OF FIRST STORY.

A. Lecture Room—Physics and Mechanics.
B. Laboratory Room for beginners in Physics and Mechanics.
C. Laboratory Room for advanced students in Physics and Mechanics.
D. Apparatus Room.
E. Study of Professor of Physics.
F. Study of Professor of Chemistry.
G. President's Office and Faculty Room.
H. Higher Mathematics and Astronomy.
J. Ladies' Cloak Room.
K. Mental and Moral Philosophy, Logic and Political Economy.
L. Regents' Room and Office of Treasurer.
M. Study of Prof. of History and English Language and Literature.
N. Study of Professor of Mathematics.
O. Mathematical Room.
P. Students' Study Room.
Q. History, English Language and Literature.
R. Gentlemen's Cloak Room.



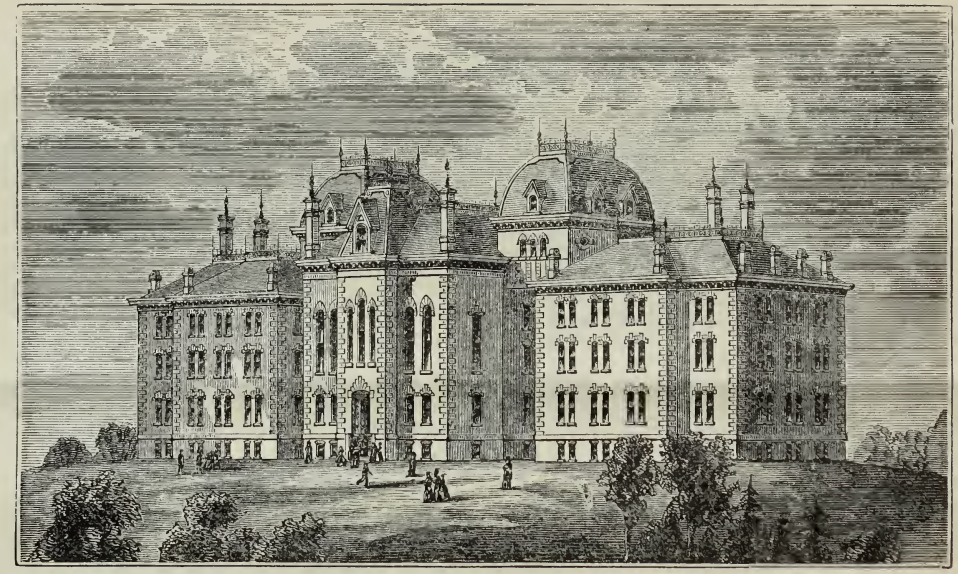

## PLAN OF SECOND STORY.

A. Lecture Room — Natural History and Geology.
B. Botanical Laboratory.
C. Zoological Museum and Laboratory.
D. Botanical and Geological Cabinets.
E. Study of Professor of Natural History.
F. Study of Professor of Astronomy.
G. Hall for general assemblies and examinations.
H. Temporary Library.
J. Study of Professor of Drawing.
K. Lecture Room.
L. Pencil and Crayon Drawing.
M. Perspective and Mechaniacl Drawing.
N. Collection of Models.




## PLAN OF THIRD STORY.

A. Lecture Room—Surveying and Engineering.
B. Topographical Room.
C. Museum of Descriptive Geometry and Mechanics.
D. Boom for Models in Engineering.
E. Study of Professor of Engineering.
F. Study of Professor of Modern Languages.
G. Study of Professor of Latin.
H. Study of Professor of Greek.
J. Recitation Room in Latin.
K. Modern Languages.
L. Recitation Room in Greek.



## THE NEW UNIVERSITY BUILDING, ERECTED BY THE CITY OF LAWRENCE.

Dimensions:—Length, 246 ft.; width in center, 98 ft.; width of wings, 62 ft.; height of observatories, 95 ft. The total number of rooms, 54, including a hall, which is 94 ft. long, 56 ft. wide, and 35 ft. high. All the rooms are to be devoted to the work of instruction. The departments of Chemistry, Physics, Natural Sciences, Mechanics, Engineering, and Drawing, *each* have a suit of four rooms, viz.: a lecture room, 23x45 ft.; a laboratory room for beginners, 19x52 ft.; a laboratory room for advanced students, 21x45 ft.; and a room for apparatus and consulting library, 11x35 ft.

# SEVENTH ANNUAL CATALOGUE

OF THE

## OFFICERS AND STUDENTS

OF THE

# UNIVERSITY OF KANSAS.

## 1872-73.

LAWRENCE, KANSAS:
EXCELSIOR BOOK AND JOB PRINTING OFFICE,
1873.

# Board of Regents.

| | Term Expires. |
|---|---|
| Rev. D. P. Mitchell, | 1873 |
| Rev. W. A. Starrett, | 1873 |
| Rt. Rev. T. H. Vail, D. D., | 1874 |
| Hon. C. B. Lines, | 1874 |
| Hon. R. G. Elliott, | 1874 |
| Hon. F. W. Giles, | 1874 |
| Hon. Charles Robinson, | 1876 |
| Hon. George A. Crawford, | 1876 |
| Hon. John A. Halderman, | 1876 |
| Rev. J. G. Reaser, D. D., | 1876 |
| Hon. William C. Tenney, | 1878 |
| Hon. J. J. Woods, | 1878 |
| Hon. H. D. McCarty, *State Sup't Pub. Inst.*, | Ex-Officio Members. |
| Hon. W. H. Smallwood, *Secretary of State*, | |
| John Fraser, *Chancellor*. | |

## Officers of the Board.

| | |
|---|---|
| John Fraser, *President.* | Rev. W. A. Starrett, *Secretary.* |
| William C. Tenney, *Treasurer.* | Prof. Frank H. Snow, *Librarian.* |

## Executive Committee.

| | |
|---|---|
| John Fraser. | Rt. Rev. T. H. Vail, D. D. |
| Hon. Wm. C. Tenney. | Hon. Charles Robinson. |
| Hon. R. G. Elliott. | Rev. W. A. Starrett. *Secretary.* |

# Faculty.

JOHN FRASER, A. M., *President.*

PROFESSOR OF MENTAL AND MORAL PHILOSOPHY.

DAVID H. ROBINSON, A. M.,

PROFESSOR OF LATIN LANGUAGE AND LITERATURE.

FRANK H. SNOW, A. M.,

PROFESSOR OF NATURAL HISTORY AND METEOROLOGY.

FREDERICK W. BARDWELL, B. S.,

PROFESSOR OF MATHEMATICS AND ASTRONOMY.

E. P. LEONARD,

PROFESSOR OF MODERN LANGUAGES.

D. O. KELLOGG, JR., A. M.,

PROFESSOR OF HISTORY AND OF ENGLISH LANGUAGE AND LITERATURE.

FRED. E. STIMPSON, B. S.,

PROFESSOR OF EXPERIMENTAL PHYSICS.

S. W. Y. SCHIMONSKY, *Grad. Polytech. Sch., Berlin, Prussia,*

PROFESSOR OF ENGINEERING AND GENERAL INDUSTRIAL DRAWING.

BYRON C. SMITH, A. M.,

PROFESSOR OF GREEK LANGUAGE AND LITERATURE.

*_____

PROFESSOR OF CHEMISTRY.

ALBERT NEWMAN, M. D.,

INSTRUCTOR IN HUMAN ANATOMY AND PHYSIOLOGY, AND HYGIENE.

J. E. BARTLETT,

INSTRUCTOR IN VOCAL MUSIC.

* The new Professor of Chemistry will enter upon his duties 1st September, 1873 In the meantime, the department of Chemistry is under the care of the Professor of Physics.

# Collegiate Department.

Abbreviations.—Cl. for classical; Sc. for scientific; Engin. for engineering course.

| NAMES. | COURSE. | RESIDENCES. |
|---|---|---|

## SENIORS.

| | | |
|---|---|---|
| Ralph Collins, | Cl. | *Wilkinsburg, Pa.* |
| Murray Harris, | Engin. | *Bowling Green, Mo.* |
| Flora Richardson, | Cl. | *Monroe, Wis.* |
| L. D. L. Tosh, | Cl. | *Upshur, O.* |

## JUNIORS.

| | | |
|---|---|---|
| Ida L. Blood, | Sc. | *Lawrence.* |
| Mertie C. Brett, | Sc. | *Wakarusa.* |
| Frank F. Dinsmoor, | Sc. | *Wakarusa.* |
| E. B. Noyes, | Engin. | *Wakarusa.* |
| Hannah Oliver, | Cl. | *Lawrence.* |
| Gertrude E. Welch, | Sc. | *Wakarusa.* |
| Lizzie A. Williams, | Cl. | *Franklin.* |

## SOPHOMORES.

| | | |
|---|---|---|
| E. H. Bancroft, | Cl. | *Emporia.* |
| Martha R. Campbell, | Sc. | *Port Matilda, Pa.* |
| Mattie M. Cone, | Cl. | *New Chicago.* |
| John C. Donaldson, | Cl. | *Washington, Iowa.* |
| Laban L. Kirk, | Cl. | *Garnett.* |

| NAMES. | COURSE. | RESIDENCES. |
|---|---|---|
| Frank P. McLennan, | Sc | *Emporia.* |
| Kate Stephens, | Cl | *Wakarusa.* |

### FRESHMEN.

| | | |
|---|---|---|
| Charles F. Bassett, | Cl | *Galesburg, Ill.* |
| E. F. Burnett, | Sc | *Grant.* |
| Samuel A. Carson, | Cl | *Wakarusa.* |
| C. F. Fishback, | Cl | *Olathe.* |
| George F. Gaumer, | Sc | *Wakarusa.* |
| William Gethin, | Sc | *Atchison.* |
| Florence N. Hendry, | Sc | *Wakarusa.* |
| Elias D. Hughson, | Sc | *Kanwaka.* |
| John D. Lambert, | Sc | *Fort Dodge, Iowa.* |
| Clara L. Morris, | Sc | *Lawrence.* |
| William Osburn | Cl | *Wilmington, Ill.* |
| Mary E. Richardson, | Sc | *Monroe, Wis.* |
| Byron N. Rooks, | Cl | *Burlingame.* |
| W. F. Sergent, | Sc | *Lawrence.* |
| Nelson J. Stephens, | Cl | *Wakarusa.* |
| Elmer B. Tucker | Cl | *Lawrence.* |
| James A. Wickersham, | Sc | *Dimon.* |
| Arthur Woodcock, | Cl | *Tonganoxie.* |

### SELECT COURSE.

| | |
|---|---|
| George D. Allen, | *Lawrence.* |
| Mary A. Anderson, | *Lawrence.* |
| William M. Armor, | *Denver, Col. Ter.* |
| Bion H. Barnett, | *Hiawatha.* |
| Everard Bierer, Jr., | *Hiawatha.* |
| Alice G. Boughton, | *Moravia, N. Y.* |

| NAMES. | RESIDENCES. |
|---|---|
| Isabel Brain, | *Burlingame.* |
| Sarah A. Brown, | *Lawrence.* |
| Susan A. Bullene, | *Wakarusa.* |
| Mary C. Burnett, | *Grant.* |
| Paul J. Christiansen, | *Hadersleben, Pruss.* |
| Ella Clarke, | *Clarksburg, Canada* |
| John E. Evans, | *Emporia.* |
| Edward Evarts, | *Napa, Cal.* |
| John T. Grant, | *Wakarusa.* |
| Charles Hatch, | *E. Pembroke, Mass.* |
| Herbert J. Hodge, | *Abilene.* |
| O. J. Kennedy, | *Olathe.* |
| M. V. B. Knox, | *Schroon Lake, N. Y.* |
| Fannie M. Lum, | *Wakarusa.* |
| James L. Lynch, | *Longwood, Mo.* |
| Belle McCaslin, | *Burlingame.* |
| William A. Marshall, | *Canonsburg, Pa.* |
| John Thomas Moore, | *Woolwich, Eng.* |
| Mary E. Moore, | *Lawrence.* |
| Gilbert H. Morgan, | *Grant.* |
| Franc Morris, | *Burlingame.* |
| Laura A. Morrow, | *Lawrence.* |
| Joseph H. Norwood, | *Vinland, N. J.* |
| A. L. Read, | *Winona, Wis.* |
| Walter S. Shotwell, | *Alexandria, Minn.* |
| C. W. Smith | *Harrisonville, Mo.* |
| Orvis E. Strong, | *Lawrence.* |
| Mary M. Sutherland, | *Lawrence.* |
| J. L. Taylor, | *McClurg, Mo.* |
| Isabel C. Tenney, | *Lawrence.* |
| John Henry Yeagley, | *Berlin, Canada.* |

# Preparatory Department.

| NAMES. | COURSE. | RESIDENCES. |
|---|---|---|
| **SENIOR CLASS.** | | |
| Andrew Atchison, | Cl | *Richmond.* |
| Jonathan W. Ball, | Cl | *Olathe.* |
| Fernando S. Barber, | Cl | *Canterbury, Conn.* |
| Ida Berry, | Sc | *Independence.* |
| Edward S. Davis, | Sc | *Wellington.* |
| May Harris, | Sc | *Bowling Green, Mo.* |
| Mary E. Herrington, | Cl | *Lawrence.* |
| Jennie B. Herron, | Cl | *Lawrence.* |
| Kate G. Jenkins, | Cl | *Lawrence.* |
| Ella F. Kimball, | Sc | *Lawrence.* |
| Rose DeMaranville, | Cl | *Sunderland, Mass.* |
| Frank H. Morgan, | Sc | *Leavenworth.* |
| Grace E. M. Scoullar, | Cl | *St. Johns, N. B.* |
| Kate S. Smeed, | Sc | *Lawrence.* |
| Carrie M. Watson, | Sc | *Lawrence.* |
| Clementine M. Wilson, | Sc | *Greenfield, O.* |
| Selina Wilson, | Sc | *Lawrence.* |
| Lizzie Yeagley, | Sc | *Berlin, Canada.* |
| **MIDDLE CLASS.** | | |
| Theodore Anthony, | Sc | *Peoria.* |
| Helen W. Ball, | Sc | *Olathe.* |
| Florence I. Boynton, | Cl | *Tahlequah, Ch. Nat.* |
| Ella Crandall, | Sc | *Lawrence.* |

| NAMES. | COURSE. | RESIDENCES. |
|---|---|---|
| Savonia C. Glynn, | Sc | *Woodstock.* |
| Isaac C. Goff, | Sc | *Cleveland, O.* |
| Charles H. Grew, | Sc | *Wakarusa.* |
| Charles Gunn, | Sc | *Lawrence.* |
| Vara H. Gunn, | Sc | *Lawrence.* |
| Ella M. Hadley, | Sc | *Lawrence.* |
| Anna F. Hancock, | Sc | *Lawrence.* |
| Emma Hawkins, | Sc | *St. Louis, Mo.* |
| Leonore Hiatt, | Cl | *Twin Mound.* |
| Lucy Hollister, | Sc | *Woodsfield, O.* |
| Emma H. Hubbel, | Sc | *Brooklyn, N. Y.* |
| J. M. Johnson, | Sc | *Oskaloosa.* |
| Judith Keith, | Cl | *Cincinnati, O.* |
| Frank C. Montgomery, | Sc | *Lawrence.* |
| Mary E. Murphy, | Sc | *Olathe.* |
| George Ogden, | Sc | *Lawrence.* |
| Walter E. Pearson, | Cl | *Wakarusa.* |
| Albert Phenis, | Sc | *Eureka.* |
| Robert D. Protzman, | Sc | *Hillsdale.* |
| Urannah E. Reser, | Sc | *Lawrence.* |
| Lewis B. Rogers, | Sc | *Leavenworth.* |
| Florence I. Saunders, | Sc | *Blue Jacket.* |
| Emma A. Savage, | Cl | *Wakarusa.* |
| Mary H. Thacher, | Cl | *Lawrence.* |
| Colin F. Timmons, | Cl | *New Holland, O.* |
| Lauren E. Watkins, | Cl | *Franklin.* |
| Marcia R. Wood, | Sc | *Madison, Me.* |
| Dibert L. Yeagley, | Cl | *Berlin, Canada.* |

## JUNIOR CLASS.

| | | |
|---|---|---|
| Beatrice Alberty, | Cl | *Cherokee Nation.* |
| George W. Baldridge, | Sc | *Lawrenceburg, Ind.* |

| NAMES. | COURSE. | RESIDENCES. |
|---|---|---|
| Jesse S. Batdorff. | Sc | *Lawrence.* |
| Eliza Borden, | Sc | *Pine Bluff. Ark.* |
| Harmon M. Byers, | Cl | *Troy.* |
| Arthur Chanute, | Cl | *Lawrence.* |
| L. H. Clark, | Cl | *Olathe.* |
| Thomas Cosley, | Cl | *Lawrence.* |
| Flemmon Duncan, | Cl | *Lawrence.* |
| T. A. Fairchild, | Cl | *Holton.* |
| Mary L. Field, | Sc | *Wakarusa.* |
| Alta May Frazier, | Cl | *Clinton.* |
| John T. Frazier, | Sc | *Franklin.* |
| Martha A. Gilbert, | Cl | *Springdale.* |
| Freddie H. Goff, | Sc | *Cleveland, O.* |
| Carrie Goss, | Cl | *Wakarusa.* |
| William Hollister, | Sc | *Woodsfield, O.* |
| Effie D. Hyde, | Sc | *Lawrence.* |
| Charles A. Kennedy, | Sc | *Fort Scott.* |
| Charles Kimball, | Sc | *Lawrence.* |
| J. H. Kissell, | Sc | *Jersey Shore, Pa.* |
| John A. McCracken, | Cl | *Chesterfield, Conn.* |
| Josie March, | Cl | *Sandusky, O.* |
| John A. Marchant, | Cl | *Independence.* |
| Estella J. Martin, | Sc | *Wakarusa.* |
| William G. Melville, | Sc | *Lawrence.* |
| Anita Melvin, | Sc | *Lawrence.* |
| Alfred W. Mitchell, | Cl | *Leavenworth.* |
| Willard P. Mitchell, | Cl | *Leavenworth.* |
| William A. Nichols, | Cl | *Leavenworth.* |
| Fannie Osburne, | Cl | *Lawrence.* |
| J. H. Pierson, | Cl | *Kanwaka.* |
| Albert Richardson, | Cl | *Monroe, Wis.* |
| M. Antoinette Robinson, | Cl | *Wyandott.* |
| Mary Shaw, | Sc | *Burlington.* |
| J. M. Smyth, | Cl | *Quincy.* |

| NAMES. | COURSE. | RESIDENCES. |
|---|---|---|
| Charles L. Stevens, | Cl | *Paola.* |
| Horatio A. Sweetland, | Sc | *Northville, Ill.* |
| Nellie Townsend, | Cl | *Wyandott.* |
| Ella Walton, | Cl | *Lawrence.* |
| Nellie Walton, | Sc | *Ottawa.* |
| Lucy Ware, | Sc | *Fort Scott.* |
| Ella M. Waters, | Cl | *Lawrence.* |
| John T. Weathers, | Cl | *Hiawatha.* |
| Hattie Wickard, | Cl | *Prairie City.* |
| Kate Williams, | Cl | *Franklin.* |
| Lizzie Williamson, | Sc | *Griggsville, Ill.* |

## SELECT COURSE.

| | |
|---|---|
| Zachariah Abernathy, | *Harrisonville, Mo.* |
| Edwin E. Abrams, | *Peru, Ill.* |
| Callie Adair, | *Cherokee Nation.* |
| Sarah L. Allen, | *Wakarusa.* |
| M. L. Ames, | *Parsons.* |
| Anna Augustine, | *Abilene.* |
| L. Baldwin, | *Eureka.* |
| Addie F. Bangs, | *Boston, Mass.* |
| Maud Bayne, | *Williamstown.* |
| Lolie Bell, | *Elkhorn, Wis.* |
| N. S. Bird, | *Atchison.* |
| A. Gertrude Bullene, | *Wakarusa.* |
| Ada Charlton, | *Lawrence.* |
| Clara Cosgrove, | *Lawrence.* |
| Ida Cramer, | *Lawrence.* |
| Minnie Davenport, | *Ottawa.* |
| Laura Davis, | *Wichita.* |
| De Witt R. Deming, | *Wakarusa.* |
| Alice Denison, | *Lawrence.* |

| NAMES. | RESIDENCES. |
|---|---|
| Lizzie K. Dixon, | *Calhoun, Mo.* |
| John Dolan, | *Wakarusa.* |
| Charles Douglas, | *Chicago, Ill.* |
| Ida L. Douglas, | *Lawrence.* |
| E. N. Draper, | *Kanwaka.* |
| Clara A. Durland, | *Honesdale, Pa.* |
| Lidie Durland, | *Lawrence.* |
| W. J. Van Eman, | *Leavenworth.* |
| Leonora Espy, | *Union City, Ind.* |
| E. H. Fox, | *Ridgeway.* |
| Mary E. Gaumer, | *Wakarusa.* |
| Marion G. Gilluly, | *Sarcoxie.* |
| Mary A. Gleason, | *Lawrence.* |
| Sophie F. Gleason, | *Lawrence.* |
| Alice E. Goss, | *Wakarusa.* |
| Pauline Gray, | *Alliance, O.* |
| C. P. Grovenor, | *Lawrence.* |
| Charles H. Harris, | *Bowling Green, Mo.* |
| L. L. Harris, | *Oskaloosa.* |
| May Harris, | *Lawrence.* |
| Addie M. Hedge, | *Danville, Ill.* |
| Frank Hepburn, | *Clorinda, Iowa.* |
| Robert B. Hill, | *Hesper.* |
| Anna Holladay, | *Williamstown.* |
| Abbie A. Holt, | *Humbolt.* |
| John L. Howe, | *Chapman.* |
| Ada F. Howard, | *Wauwatosa, Wis.* |
| Fannie I. Hughson, | *Kanwaka.* |
| C. G. Huntington, | *Fort Scott.* |
| Thomas James, | *Chicago, Ill.* |
| Ezra J. Kelso, | *Wakarusa.* |
| Kansas King, | *Sigel.* |
| Mattie King, | *Sigel.* |

| NAMES. | RESIDENCES. |
|---|---|
| Henry N. Kirkpatrick, | *Carlyle.* |
| Vina Lambert, | *Fort Dodge, Iowa.* |
| Hattie E. Lewis, | *Malone, N. Y.* |
| Morris Long, | *Kansas City, Mo.* |
| Arthur McCoy, | *Lawrence.* |
| Otis McDanield, | *Stranger.* |
| W. K. Marshall, | *Lawrence.* |
| Helen A. Miller, | *De Soto.* |
| Angie B. Mitchell, | *Junction City.* |
| Anna Neill, | *Lexington, Mo.* |
| Elwood Newlin, | *Council Grove.* |
| J. H. Newlin, | *Lawrence.* |
| Arthur D. Noteman, | *Olathe.* |
| Gertrude B. Oliver, | *Lawrence.* |
| Eric Owens, | *Emporia.* |
| James L. Raines, | *Oskaloosa.* |
| Louisa Rankin, | *Lawrence.* |
| Alma Richardson, | *Monroe, Wis.* |
| Frank A. Saylor, | *Lyndon.* |
| Kate M. Schmucker, | *Wakarusa.* |
| Anna Sears, | *Clay Center.* |
| Harry C. Shanklin, | *Lawrence.* |
| Sallie Shanklin, | *Lawrence.* |
| Henry Shepherd, | *Prairie City.* |
| F. M. Shinn, | *Le Roy.* |
| David Shuey, | *East Lynn, Mo.* |
| Anson H. Slosson, | *Lawrence.* |
| Aura Smith, | *Independence.* |
| Maria Smith, | *Grasshopper Falls.* |
| Mary H. Sparr, | *Grant.* |
| Eva Speer, | *Lawrence.* |
| Eva Stansbury, | *Chicago, Ill.* |
| Anna Steinbaugh, | *Ottawa.* |

| NAMES. | RESIDENCES. |
|---|---|
| John M. Stone, | *Lecompton.* |
| J. W. Stringfield, | *Falls City, Neb.* |
| C. F. Sweetland, | *Ottawa.* |
| Addie Tweed, | *Wakarusa.* |
| Luella Tweed, | *Wakarusa.* |
| Nathan T. Updegraff, | *Kansas City, Mo.* |
| S. C. Usher, | *Lawrence.* |
| Thomas Vance, | *McArthur, O.* |
| J. Jerome Vickroy, | *Armstrong.* |
| John M. Walker, | *Wakarusa.* |
| Lizzie Warner, | *Carbondale.* |
| De Etta E. Warren, | *Grasshopper Falls.* |
| Alfred A. Walters, | *Quincy.* |
| Joseph H. Weeks, | *Cleveland, O.* |
| Lily A. Whitcomb, | *Bangor, Me.* |
| M. T. Wier, | *Greenville, Ky.* |
| John L. Yancey, | *Newcastle, Wis.* |

# SUMMARY OF GENERAL RECORD.

Total number of students examined since the issue of the last annual catalogue [February, 1872],.....305

Number of students "accepted" and enrolled, and constituting the aggregate attendance, as exhibited in this catalogue,.....272

# SUMMARY OF CLASSIFICATION.

| | | Males. | Fem's. | Totals. |
|---|---|---|---|---|
| **Collegiate Department.** | | | | |
| Classical Course— | Senior Class | 2 | 1 | 3 |
| | Junior Class | .. | 2 | 2 |
| | Sophomore Class | 3 | 2 | 5 |
| | Freshman Class | 8 | .. | 8 |
| Scientific Course— | Senior Class | .. | .. | .. |
| | Junior Class | 1 | 3 | 4 |
| | Sophomore Class | 1 | 1 | 2 |
| | Freshman Class | 7 | 3 | 10 |
| Engineering— | Senior Class | 1 | .. | 1 |
| | Junior Class | 1 | .. | 1 |
| Select Course | | 23 | 14 | 37 |
| Aggregates Collegiate Department | | 47 | 26 | 73 |
| **Preparatory Department.** | | | | |
| Classical Course— | Senior Class | 3 | 5 | 8 |
| | Middle Class | 4 | 5 | 9 |
| | Junior Class | 16 | 12 | 28 |
| Scientific Course— | Senior Class | 2 | 8 | 10 |
| | Middle Class | 10 | 13 | 23 |
| | Junior Class | 10 | 9 | 19 |
| Select Course | | 49 | 53 | 102 |
| Aggregates Preparatory Department | | 94 | 105 | 199 |
| Aggregates of both Departments | | 141 | 131 | 272 |

N. B. The name of each student appears only once in the catalogue.

# Courses of Instruction.

## COLLEGIATE DEPARTMENT.

Of the several Departments contemplated in the act of incorporation, only one has yet been organized, viz: the *Department* of *Science, Literature and the Arts.* This Department, at present, comprises three courses of instruction, viz:—a *Classical Course*, leading to the degree of Bachelor of Arts; a *Scientific Course*, leading to the degree of Bachelor of Science; and a *Course* in *Civil* and *Topographical Engineering*, leading to the degree of Bachelor of Civil and Topographical Engineering, Other courses of instruction will be added as the growth of the State and of the University may render advisable.

### Terms of Admission.

Candidates for admission to the *Freshman Class*, in the CLASSICAL COURSE, are examined in the following studies, viz:

Cæsar—four books.
Virgil—the first six books in the Æneid
Arnold's Latin Prose Composition, to the Passive Voice.
Cicero—Six Orations.
Crosby's First Lessons in Greek.
Xenophon's Anabasis—three books.
Arithmetic.
Pencil Drawing.
Geography.
History of the United States.
English Grammar.
Elementary Natural Philosophy.
Algebra, to Quadratic Equations.
Geometry—the first four books.
Elementary Physiology.
Elementary Botany.
Elementary Zoology.

Candidates for admission to the *Freshman Class* of the SCIENTIFIC COURSE are examined in the following studies, viz:

English Grammar.
Geography.
Grammar and Reader in Latin, or French, or German.
History of the United States.
Elementary Natural Philosophy.
Elementary Botany.
Elementary Zoology.
Elementary Physiology.
Arithmetic.
Algebra, to Quadratic Equations.
Geometry—the first four books.
Pencil Drawing.

### Advanced Standing.

Candidates for admission to advanced standing are examined in all the studies previously pursued by the classes which they propose to enter.

### Testimonials.

Testimonials of good moral character are in all cases required. Students who are admitted from other Colleges must produce certificates of dismission in good standing.

## CLASSICAL COURSE.

### Freshman Class.

FIRST SESSION.

Latin—Cicero de Amicitia; Latin Prose Composition.
Greek—Herodotus; Greek Prose Composition.
Algebra.
English—Structure and History of the Language.—Latham or Angus.
Vocal Music—Harmony; Choral Harmonization; Choral Composition.

SECOND SESSION.

Latin—Livy; Latin Prose Composition.
Greek—Homer's Odyssey; Greek Prose Composition.
Geometry.
Modern European History, with Introduction.

Vocal Music—History and Aesthetics of Music; Philosophy of Musical Sounds.

### Sophomore Class.

FIRST SESSION.

Latin—Horace's Odes and Epistles.
Greek—Demosthenes' Select Orations.
Trigonometry.
Modern History.

SECOND SESSION.

Latin—Select Comedies and Satires.
Greek—Demosthenes de Corona.
Analytical Geometry.
Ancient History,

### Junior Class.

FIRST SESSION.

Latin—Tacitus.
Physics.
Rhetoric and Elements of Criticism.
Physical Geography and Geology.

SECOND SESSION.

German or French.
History of English Prose Literature, and Criticism.
Geology.
Physics.
Logic.

### Senior Class.

FIRST SESSION.

German or French.
Mental Philosophy.
Political Economy.

History of English Poetry, and Criticism.
Astronomy.
Natural Theology.
General Chemistry—Lectures, with experiments.

SECOND SESSION.

Moral Philosophy.
Constitutional History.
Astronomy.
Butler's Analogy.
General Chemistry—Lectures, with experiments.

## SCIENTIFIC COURSE.

### Freshman Class.

FIRST SESSION.

Algebra.
Structure and History of English Language—Latham or Angus.
Human Anatomy and Physiology.
Latin, or French, or German.
Elementary Laboratory Practice in Chemistry.
Drawing.
Vocal Music—Harmony; Choral Harmonization ; Choral Composition.
Botany, with Field Practice.
Laboratory Practice in Chemistry.
Laboratory Practice in Physics.

SECOND SESSION.

Geometry.
English—Rhetoric and Composition.
Modern European History, with Introduction.
Botany, with Field Practice.
Drawing.
Human Anatomy and Physiology.
Latin, or French, or German.
Elementary Laboratory Practice in Chemistry.

Vocal Music—History and Aesthetics of Music; Philosophy of Musical Sounds.

Laboratory Practice in Chemistry.

Laboratory Practice in Physics.

### Sophomore Class.

FIRST SESSION.

Zoology.

Trigonometry, with instruction in the theory, adjustment and use of instruments.

English—Modern History.

Drawing.

Laboratory Practice in Physics.

Office and Field Practice in Surveying and Leveling.

Laboratory and Field Practice in Zoology.

Laboratory Practice in Chemistry.

Latin, or French, or German.

SECOND SESSION.

Zoology.

Analytical Geometry.

Ancient History.

Drawing.

Laboratory Practice in Physics.

Laboratory and Field Practice in Zoology.

Observatory and Field Practice in Astronomy.

Laboratory Practice in Chemistry.

Latin, or French, or German.

### Junior Class.

FIRST SESSION.

Calculus.

Physical Geography and Geology.

Laboratory and Field Practice in Geology.

Higher Laboratory Practice in Chemistry.

Rhetoric, and Elements of Criticism.

Higher Laboratory Practice in Physics.

SECOND SESSION.

Calculus.

Geology.

Logic.
Laboratory and Field Practice in Geology.
Higher Laboratory Practice in Chemistry.
History of English Prose Literature, and Criticism.
Higher Laboratory Practice in Physics.

### Senior Class.

FIRST SESSION.

Mental Philosophy.
Political Economy.
Physical Astronomy.
History of English Poetry and Criticism.
Meteorology.
General Chemistry—Lectures, with experiments.
Observatory and Field Practice in Astronomy.

SECOND SESSION.

Moral Philosophy.
Constitutional History.
Physical Astronomy.
Meteorology.
General Chemistry—Lectures, with experiments.
Observatory and Field Practice in Astronomy.

## COURSE OF CIVIL AND TOPOGRAPHICAL ENGINEERING.

### Freshman Class.

Studies—Same as those of Freshman Class in Scientific Course.

### Sophomore Class.

Studies—Same as those of Sophomore Class in Scientific Course.

## Junior Class.

FIRST SESSION.

Differential and Integral Calculus; Analytical Mechanics.

Descriptive Geometry and its applications to Shades, Shadows, and Perspective.

Drawing—Topography; Higher Surveying; Hydrography; Geodesy.

French, or German.

SECOND SESSION.

Analytical Mechanics continued.

Spherical Astronomy; Geodesy with determination of Latitude and Longitude.

Higher Surveying and Hydrography—Field Practice.

Rankin's Civil Engineering begun—Lectures.

Logic.

French, or German.

## Senior Class.

FIRST SESSION.

Descriptive Geometry applied to Masonry and Carpentry.

Drawing—Right Line; Topography; Water Colors.

Structures of *Wood*—Framing; Roofs and Bridges.

Structures of *Stone and Iron*—Foundations, Arches, and Bridges.

Construction of Roads and Canals.

Rankin's Civil Engineering—Lectures.

Field Practice.

SECOND SESSION.

Rankin's Civil Engineering.

Bridges, Breakwaters, and Tunnels.

Structures of *Iron*—Foundations, Beams, Girders, and Columns.

Geology and Chemistry of the Materials used in construction.

Field Practice.

Supply and Distribution of *Water*—Distribution of Gas; Drainage.

Lectures on History, Political Economy, and the Science of Government.

Lectures on Mental and Moral Philosophy.

# PREPARATORY DEPARTMENT.

This Department has been organized to supply the existing want of suitable Preparatory Schools in the State, and therefore will not be made a permanent feature of the University.

### Terms of Admission:

Candidates for admission to the Junior Class are examined in the following studies, viz:

Orthography.
Reading.
Mental Arithmetic.
Written Arithmetic, to Interest.
Elements of Geography.
Elements of English Grammar.

### Advanced Standing.

Candidates for admission to advanced standing are examined in all the studies previously pursued by the classes which they propose to enter.

### Testimonials.

Testimonials of good moral character are in all cases required.

## CLASSICAL COURSE.

### Junior Class.

FIRST SESSION.

Latin—Harkness' Latin Grammar and Latin Reader.
English—Elementary Grammar; Composition; Elocution.
Arithmetic.
Elementary Botany, with Field Practice.
Descriptive Geography; Map Drawing.
Drawing.

SECOND SESSION.

Latin—Cornelius Nepos.
English—Elementary Grammar; Composition; Select Declamations.
Arithmetic.
Elementary Botany, with Field Practice.
Descriptive Geography: Map Drawing.
Drawing.

## Middle Class.

FIRST SESSION.

Latin—Cæsar's Commentaries; Harkness' Latin Grammar.
Greek—Harkness' First Greek Book.
Higher Arithmetic.
Elementary Natural Philosophy.
History of the United States.
Physical Geography.
Drawing.
Vocal Music—Notation; Solmization; Major Scales; Registers of Voice; Chorus Singing.

SECOND SESSION.

Latin—Cicero's Orations; Latin Prose Composition.
Greek—Harkness' First Greek Book.
Elementary Algebra.
Elementary Natural Philosophy.
History of the United States; Outline of the Constitution; Lectures.
Physical Geography; Drawing of Physical Charts.
Drawing.
Vocal Music—Notation; Solmization; Major Scales; Registers of Voice; Chorus Singing.

## Senior Class.

FIRST SESSION.

Latin—Cicero's Orations; Latin Prose Composition.
Greek—Xenophon's Anabasis, Book I; Ancient Geography; Boise's Exercises.
Elementary Algebra.
Elementary Zoology.
English Analysis and Composition.

Descriptive Astronomy; Use of Globes; Telescopic Observation of the Planets, &c.

Vocal Music—Intervals; Minor and Chromatic Scales; Chorus Singing.

SECOND SESSION.

Latin—Virgil's Æneid; Prosody.

Greek—Xenophon's Anabasis, Books II and III; Greek Prose Composition; Ancient Geography.

Geometry—first four books.

Elementary Zoology, with Field Practice.

English—Etymology and Synonyms.

Descriptive Astronomy; Evening Study of Constellations; Telescopic Observations.

Vocal Music—Intervals; Minor and Chromatic Scales; Chorus Singing.

## SCIENTIFIC COURSE.

### Junior Class.

FIRST SESSION.

English—Elementary Grammar; Composition; Elocution.

Descriptive Geography; Map Drawing.

Arithmetic.

Elementary Botany, with Field Practice.

French or Latin.

Drawing.

SECOND SESSION.

Elementary Botany, with Field Practice.

English—Elementary Grammar; Composition; Select Declamations.

Arithmetic.

Descriptive Geography; Map Drawing.

French or Latin.

Drawing.

## Middle Class.

FIRST SESSION.

Elementary Algebra.
Elementary Natural Philosophy.
History of the United States.
Physical Geography.
Elementary Chemistry.
Drawing.
French or Latin.
Vocal Music—Notation; Solmization; Major Scales; Registers of Voice; Chorus Singing.

SECOND SESSION.

Higher Arithmetic.
Elementary Natural Philosophy.
History of the United States; Outline of the Constitution; Lectures.
Elementary Chemistry.
Physical Geography; Drawing of Physical Charts.
French or Latin.
Drawing.
Vocal Music—Notation; Solmization; Major Scales; Registers of Voice; Chorus Singing.

## Senior Class.

FIRST SESSION.

Elementary Course in Human Anatomy and Physiology.
Elementary Algebra.
English Analysis and Composition.
Elementary Zoology.
Descriptive Astronomy; Use of Globes; Telescopic Observations of Planets, &c.
German, or French, or Latin.
Vocal Music—Intervals; Minor and Chromatic Scales; Chorus Singing.

SECOND SESSION.

Elementary Course in Human Anatomy and Physiology.
English—Etymology and Synonyms.

Geometry—the first four books.

Elementary Zoology, with Field Practice.

Descriptive Astronomy; Evening Study of the Constellations; Telescopic Observations.

German, or French or Latin.

Vocal Music—Intervals; Minor and Chromatic Scales; Chorus Singing.

# Miscellaneous Information.

## SELECT COURSE OF STUDY.

Students who desire to confine their attention to pecial branches, adapted to their requirements and attainments, are permitted, subject to the advice of the Faculty, to take such a select course of study as they can pursue with advantage.

## APPARATUS OF INSTRUCTION.

The *Chemical Department* is supplied with laboratory stands and with the apparatus and chemicals requisite for a complete course of laboratory practice in Analytical Chemistry.

The Department of Astronomy is provided with a Green's *Standard Barometer* and Thermometer, an Astronomical Clock, and a five-feet Astronomical Transit with illuminating lamps, for the use of students in Observatory Practice; and with a Gambey's Sextant, an Artificial Horizon, and a Negus Box Chronometer, for use in Field Practice in Astronomy.

The Department of Engineering possesses an Engineer's Transit, an Engineer's Y Level, and all the requisite accompaniments for the most approved kind of *Office* and *Field* work in Engineering.

The collection of Philosophical Apparatus affords the means of making a wide range of experimental illustrations in Mechanics and Physics.

The Cabinets for the illustration of Geology, Mineralogy and Zoology, contain a valuable and useful collection of specimens. The friends of the University are invited to send to these Cabinets such specimens as may add to their completeness.

## SESSIONS AND VACATIONS.

The Academic year is divided into two sessions of twenty weeks each. The first or winter session is relieved by a recess, which includes the Christmas and New Year holidays; the second or summer session, by a recess of one week, beginning at or near the 20th of March. The summer vacation begins at Commencement, and continues twelve weeks.

Students are particularly requested to be punctual in their attendance at the opening of the session, as indicated in the calendar.

## EXAMINATIONS.

Public examinations of the classes are held at the close of each session, on the studies of the session; and, at the close of the Academic year, on all the studies of the year.

The time allotted to each examination is equally divided between *oral* and *written* exercises.

## EXPENSES.

By the munificence of the State, tuition in the University has been made free in all its departments. No charges are made, except an annual contingent fee of $10.

Orphans of soldiers, and of citizens killed in Quantrell's raid, are exempt from the payment of the contingent fee.

Board in private families may be had for $4 per week.

By uniting in clubs, and boarding themselves, students may reduce their expenses one-half.

## LIBRARY.

The nucleus of a Library has been secured, to which additions are being made from time to time.

## LITERARY SOCIETIES.

Two Literary Societies hold weekly meetings in the New University Building.

## DEGREES.

The degree appropriate to each Course of Study is conferred upon students who have completed the Course, and have passed satisfactory examination in the same.

## DEVOTIONAL EXERCISES.

Devotional exercises are held in the Chapel every morning. All the students who recite during the first hour, are required to be present.

## DISCIPLINE.

Students are required to be in their places, at all stated exercises, from the beginning to the end of their connection with the University.

Students must present a satisfactory excuse for every absence from any class or duty, before they will be permitted to resume their places in the University.

Excuses for absence from recitation must in all cases be rendered to the Professor who conducts the recitation, and shall by him be reported to the Faculty for record.

All unexcused delinquencies are registered; and when the number amounts to five, notice thereof is given to the student and to his parent or guardian. When the number of unexcused delinquencies amounts to ten, the student ceases to be a member of the University.

Students are not allowed to absent themselves from town without permsision from the President.

## DONATIONS.

By the respective publishers:

The Kansas Daily Commonwealth.
The Lawrence Daily Tribune.
The Democratic Standard.
The Atchison Weekly Champion.
The Hutchinson News.

By the Smithsonian Institute:

200 specimens of Minerals, collected in the Yellow Stone region by the U. S. Survey, under F. V. Hayden.

By Col. G. M. Walker:

Tarantulas, Centipedes, &c., from Texas.

By students of the University:

500 specimens Kansas Plants.
300 specimens Kansas Insects.

By Prof. F. H. Snow:

600 specimens Kansas Plants.
400 specimens Kansas Insects.
560 specimens Plants from Greenland and New England, obtained in exchange.
40 specimens Kansas Mammals and Birds.

By Mr. Moen, President of the Company:

Set samples of wire manufactured by the Washburn Moen Machine Company, Worcester, Mass.

By the Company:

Set Cards showing size of Screws and Bolts made by the American Screw Company, Providence, R. I.

By the heirs of Capt. J. P. Couthouy:

Box of Marine Shells.

# CALENDAR FOR 1873.

Jan. 4—Christmas Recess ends..... Saturday.
Jan. 16—Semi-annual Examinations begin..... Thursday.
Jan. 21—Semi-annual Examinations end..... Tuesday.
Jan. 21—First Session ends..... Tuesday.
Jan. 22—Second Session begins..... Wednesday.
March 22—Spring Recess begins..... Saturday.
March 29—Spring Recess ends..... Saturday.
May 29—Annual Examinations begin..... Thursday.
June 4—Annual Examinations end..... Wednesday.
June 5—Examination of candidates for admission..... Thursday.
June 8—Baccalaureate Address..... Sunday.
June 10—Class Day..... Tuesday.
June 11—Commencement Day..... Wednesday.

SUMMER VACATION OF TWELVE WEEKS.

Sept. 3—First Session begins..... Wednesday.
Sept. 3—, Sept. 4— } Examination of candidates for admission.... { Wednesday. Thursday.
Dec. 19—Christmas Recess begins..... Saturday.

# CALENDAR FOR 1874.

Jan. 2—Christmas Recess ends..... Saturday.
Jan. 14—Semi-annual Examinations begin..... Thursday.
Jan. 19—Semi-annual Examinations end..... Tuesday.
Jan. 19—First Session ends..... Tuesday.
Jan. 20—Second Session begins..... Wednesday.
March 20—Spring Recess begins..... Saturday.
March 27—Spring Recess ends..... Saturday.
May 27—Annual Examinations begin..... Thursday.
June 2—Annual Examinations end..... Wednesday.
June 3—Examination of candidates for admission..... Thursday.
June 6—Baccalaureate Address..... Sunday.
June 8—Class Day..... Tuesday.
June 9—Commencement Day..... Wednesday.

SUMMER VACATION OF TWELVE WEEKS.

Sept. 1—First Session begins..... Wednesday.
Sept. 1—, Sept. 2— } Examination of candidates for admission.... { Wednesday. Thursday.
Dec. 18—Christmas Recess begins..... Saturday.

# LOCATION.

The University is located in the city of Lawrence, Douglas County Kansas, about a mile from the intersection of the Kansas Pacific, and Leavenworth, Lawrence & Galveston Railways.

# ORGANIZATION OF THE UNIVERSITY.

## I. Act of Congress.

By act of Congress it was ordered:

"That seventy-two sections of land shall be set apart and reserved for the use and support of a State University, to be selected by the Governor of said State, subject to the approval of the Commissioners in the General Land Office, and to be appropriated and applied in such a manner as the Legislature of said State may prescribe, for the purposes aforesaid, but for no other purpose."

Approved January 29th, 1861.

## II. Constitutional Provision.

SECTION 7. Provision shall be made by law for the establishment, at some eligible and central point, of a State University, for the promotion of literature and the arts and sciences, including a Normal and Agricultural Department. All funds arising from the sale and rents of lands granted by the United States to the State for the support of a State University, and all other grants, donations or bequests, either by the State or by individuals for such purposes, shall remain a perpetual fund, to be called the "University Fund," the interest of which shall be appropriated to the support of a State University.

SEC. 8. No religious sect or sects shall ever control any part of the Common School or University funds of the State.

## III. University Charter.

SECTION 1. There shall be established in this State, at or near the city of Lawrence, in the county of Douglas, on the grounds secured for that

purpose, pursuant to the act entitled "An act to locate the State University," passed February 20, 1863, an institution of learning, under the name of the University of Kansas.

SEC. 2. The object of the University shall be to provide the inhabitants of this State with the means of acquiring a thorough knowledge of the various branches of Literature, Science, and the Arts.

SEC. 3. The government of the University shall vest in a Board of Regents, to consist of a President and twelve members, who shall be appointed as herein after provided, and the Superintendent of Public Instruction and Secretary of State shall also, during their respective terms of office, be *ex-officio* members of said Board. A majority of the Board shall constitute a quorum for the transaction of business.

SEC. 4. The members of the Board of Regents shall be appointed by the Governor of the State, by and with the advice and consent of the Senate, two-thirds of the senators concurring therein, and shall hold their offices respectively, except those appointed to the first Board, for the term of six years from the first Monday of September succeeding their appointment, and until the appointment of a successor: *Provided*, That not more than three of the Regents to be appointed shall be members of the same religious denomination. Immediately upon the passage of this act, it shall be the duty of the Governor to appoint the members of the first Board of Regents, four of whom he shall appoint for two, four for four, and four for six years, from the first day of September next; and every second year after the passage of this act, there shall be appointed, as aforesaid, for the term of six years, four members of said Board, whose terms of office shall commence on the first day of September after their appointment.

SEC. 5. Whenever there shall be a vacancy in the office of Regent of the University, from any cause whatever, it shall be the duty of the Governor to fill such vacancy by appointment, and the person or persons so appointed shall continue in office until the close of the Legislature next thereafter, and until others are appointed in their stead.

SEC. 6. The Regents of the University, and their successors in office, shall constitute a body corporate, with the name and style of the Regents of the University of Kansas, with the right, as such, of suing and being sued, of contracting and being contracted with, of making and using a common seal, and altering the same at pleasure..

SEC. 7. The Regents shall appoint a Secretary, a Treasurer, and a Librarian, who shall hold their respective offices during the pleasure of the Board. It shall be the duty of the Secretary to record all the proceedings of the Board, and carefully to preserve all its books and papers.

The Treasurer shall keep a true and faithful account of all moneys received and paid out by him, and shall give such bonds for the faithful performance of the duties of his office as the Regents may require.

SEC. 8. The Regents shall have power, and it shall be their duty, to enact laws for the government of the University, to elect a Chancellor, who shall be *ex-officio* President of the Board of Regents; or, when absent, the Board appoint a President *pro tem.* They may also appoint a requisite number of Professors and Tutors, and such other officers as they may deem expedient; also determine the amount of their respective salaries.

* * * * * *

SEC. 10. The University shall consist of six departments. First, the Department of Science, Literature and the Arts; second, the Department of Law; third, the Department of Medicine; fourth, the Department of Theory and Practice of Elementary Instruction; fifth, the Department of Agriculture; sixth, the Normal Department. The immediate government of the several departments shall be entrusted to their respective Faculties, but the Regents shall have the power to regulate the course of Instruction, and prescribe, under the advice of the Professor, the books and authorities to be used in the several Departments, and also to confer such degrees and grant such diplomas as are usually conferred and granted by other Universities.

SEC. 11. The Regents shall have power to remove any officer connected with the institution when in their judgment the interests require it.

SEC. 12. The fee of admission to the University shall never exceed ten dollars, and the charge for tuition in the first and fourth Departments shall never exceed in one year, to the residents of the State, thirty dollars; and, as soon as the increase of the University fund will permit, tuition in those Departments shall be without charge to all students in the same who are residents of the State.

* * * * * *

SEC. 14 The Regents shall make a report annually to the Legislature, at its regular session, exhibiting the state and progress of the University in its several Departments, the course of study, the number of Professors and students, the amount of expenditures, and such other information as they may deem proper. Meetings of the Board may be called in such manner as the Regents may prescribe, and any seven of them, at a meet-

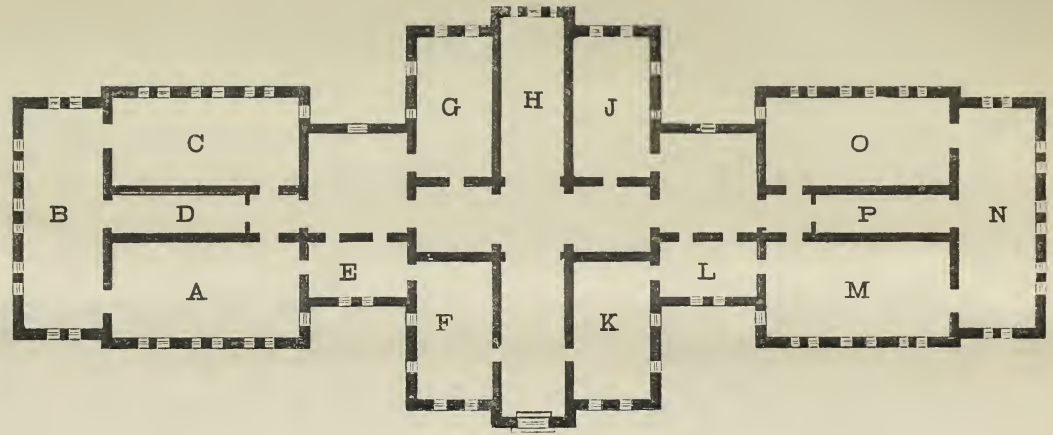
ing regularly called, shall be a quorum for the transaction of business, and a less number may adjourn from time to time. No sectarian tenets or opinions shall be required to entitle any person to be admitted as a student in said University, and no such tenets or opinions shall be required as a qualification for any person as Tutor or Professor of said University.

* * * * * *

SEC. 16. This act to take effect on and after its passage.

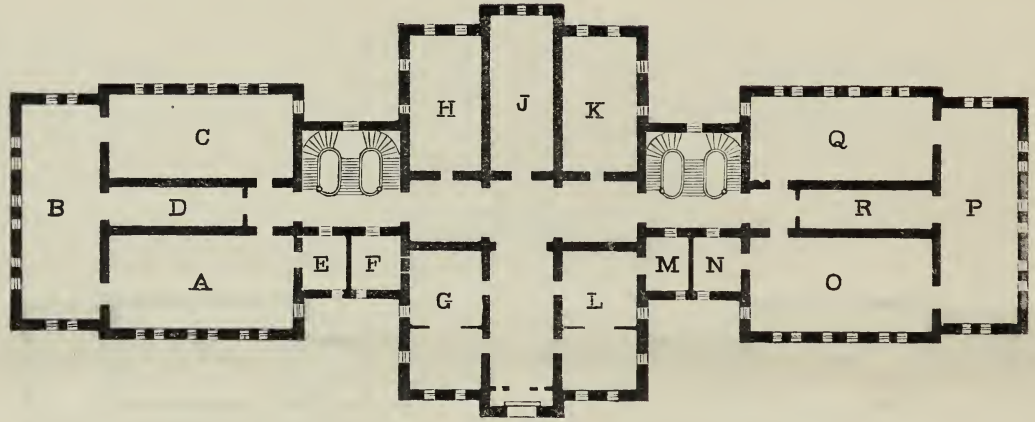
Approved March 4, 1864.

# Plan of Building.



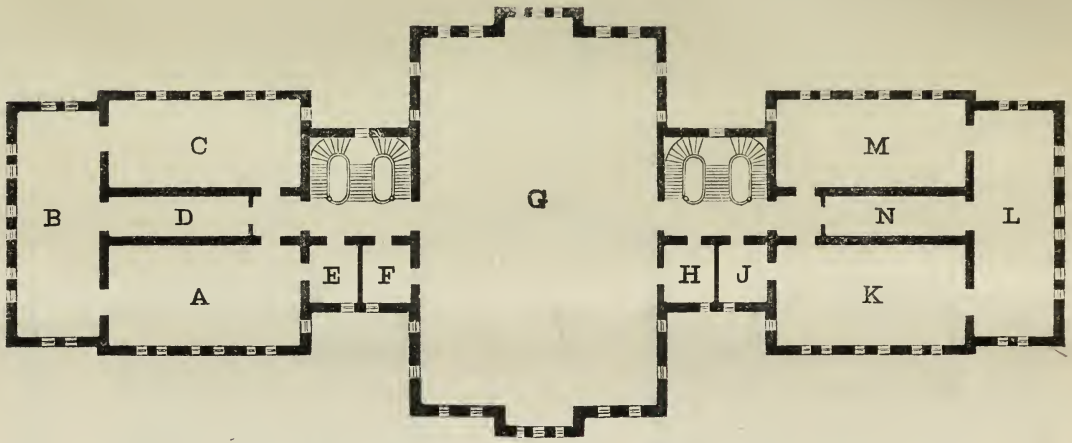

## PLAN OF BASEMENT.

A. Chemical Lecture Room.
B. Laboratory for beginners in Chemistry.
C. Laboratory for advanced students in Chemistry.
D. Re-agent Room.
E. Balance Room.
F. Private Laboratory of Professor of Chemistry.
G. Chemical Storeroom.
H. Cold Air Chamber.
J. Boiler Room.
K. Permanent Electrical Batteries, and Reservoirs of Oxygen and Hydrogen.
L. Standard Weights and Measures.
M. Blowpipe Laboratory.
N. Workshop.
O. Metallurgical Laboratory.
P. Tools and Materials.



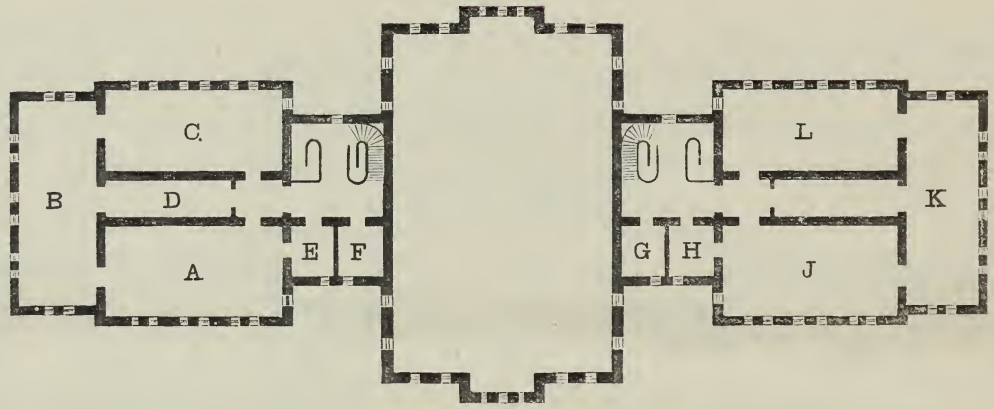

PLAN OF FIRST STORY.

A. Lecture Room—Physics and Mechanics.
B. Laboratory Room for beginners in Physics and Mechanics.
C. Laboratory Room for advanced students in Physics and Mechanics.
D. Apparatus Room.
E. Study of Professor of Physics.
F. Study of Professor of Chemistry.
G. President's Office and Faculty Room.
H. Higher Mathematics and Astronomy.
J. Ladies' Cloak Room.
K. Mental and Moral Philosophy, Logic and Political Economy.
L. Regents' Room and Office of Treasurer.
M. Study of Professor of History and English Language and Literature.
N. Study of Professor of Mathematics.
O. Mathematical Room.
P. Students' Reading Room.
Q. History, English Language and Literature.
R. Gentlemen's Cloak Room.



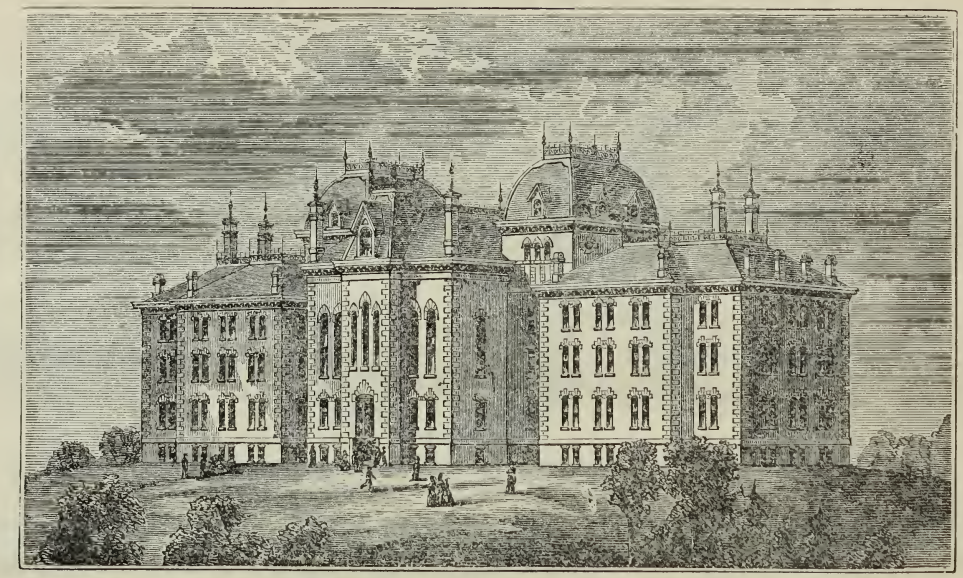

PLAN OF SECOND STORY.

A. Lecture Room—Natural History and Geology.
B. Botanical Laboratory.
C. Zoological Museum and Laboratory.
D. Botanical and Geological Cabinets.
E. Study of Professor of Natural History.
F. Study of Professor of Astronomy.
G. Hall for general assemblies and examinations.
H. Temporary Library.
J. Study of Professor of Drawing.
K. Lecture Room,
L. Pencil and Crayon Drawing.
M. Perspective and Mechanical Drawing.
N. Collection of Models.




## PLAN OF THIRD STORY.

A. Lecture Room—Surveying and Engineering.
B. Topographical Room.
C. Museum of Descriptive Geometry and Mechanics.
D. Room for Models in Engineering.
E. Study of Professor of Engineering.
F. Study of Professor of Modern Languages.
G. Study of Professor of Latin.
H. Study of Professor of Greek.
J. Recitation Room in Latin.
K. Modern Languages.
L. Recitation Room in Greek.



## THE NEW UNIVERSITY BUILDING, ERECTED BY THE CITY OF LAWRENCE.

DIMENSIONS.—Length, 246 ft.; width in center, 98 ft.; width of wings, 62 ft.; height of observatories, 95 ft. The total number of rooms, 54, including a hall, which is 94 ft. long, 56 ft. wide, and 35 ft. high. All the rooms are to be devoted to the work of instruction. The departments of Chemistry, Physics, Natural Sciences, Mechanics, Engineering and Drawing, have each a suite of rooms, viz.: a lecture room, 23x45 ft.; a laboratory room for beginners, 19x52 ft.; a laboratory room for advanced students, 21x45 ft.; and a room for apparatus and consulting library, 11x35 ft.

# EIGHTH ANNUAL CATALOGUE

OF THE

# OFFICERS AND STUDENTS

OF THE

# University of Kansas

LAWRENCE, KAN.:
CUTLER'S EXCELSIOR-TRIBUNE PRINT.
1874.

# BOARD OF REGENTS.

Hon. CHARLES ROBINSON.... .....Term expired 1st April,'1874
" WILLIAM FAIRCHILD,..... " " 1874
Rev. A. BEATTY,.....Term expires " 1875
Hon. V. P. WILSON, vice John A. Anderson, resigned, } " " 1875
Rev. F. T. INGALLS,..... " " 1876
Hon. N. C. McFARLAND,..... ..... " " 1876
Rev. T. F. HOUTS,..... " " 1877
Hon. J. S. EMERY,..... " " 1877
JOHN FRASER, *Chancellor*, ex-officio member of the Board.

# OFFICERS OF THE BOARD.

JOHN FRASER, *President*.....
JOHN K. RANKIN, *Treasurer*.....Term expired 1st of May, 1874
W. A. SIMPSON, *Treasurer*. ..... ..Term expires 1st of April, 1875
F. T. INGALLS, vice John A. Anderson, resigned } " " 1875
Prof. FRANK H. SNOW, *Librarian*. .....Resigned 3d Sept., 1873
Prof. BYRON C. SMITH, *Librarian*.....Term expires 31st Dec., 1874

SUPPLEMENT, Sept., 1874.

# FACULTY.

—. —. ———, *President*,
* Professor of Mental and Moral Philosophy.

DAVID H. ROBINSON, A. M.,
Professor of Latin Language and Literature.

FRANK H. SNOW, A. M.,
Professor of Natural Science.

FREDERIC W. BARDWELL, B. S.,
Professor of Mathematics and Astronomy.

BYRON C. SMITH, A. M.,
Professor of Greek Language and Literature.

WM. T. GAGE, A. M.,
Professor of History and of English Language and Literature.

—. —. ———,
† Professor of Engineering and General Industrial Drawing.

G. E. PATRICK, B. S.,
Assistant Professor of Natural Science, in charge of Chemistry and Physics.

E. MILLER, A. M.,
Assistant Professor of Mathematics.

FRANCES SCHLEGEL,
Assistant Professor of German, French, and Free-hand Drawing.

ALBERT NEWMAN, M. D.,
Instructor in Human Anatomy and Physiology, and Hygiene.

N. B.—Page 5, line 4 from bottom of the page, supply *Secretary* after the name F. T. Ingalls, in the list of Officers of the Board.

* The resignation of President JOHN FRASER, A. M., has been accepted to take effect upon the appointment of his successor, until which time President FRASER remains in charge. It is expected his successor will soon be appointed.

† This Chair is temporarily in charge of the Professor of Mathematics and Astronomy.

# FACULTY.

JOHN FRASER, A. M., *President.*
Professor of Mental and Moral Philosophy.

DAVID H. ROBINSON, A. M.,
Professor of Latin Language and Literature.

FRANK H. SNOW, A. M.,
Professor of Natural History and Meteorology.

FREDERIC W. BARDWELL, B. S.,
Professor of Mathematics and Astronomy.

E. P. LEONARD,
Professor of Modern Languages.

D. O. KELLOGG, Jr., A. M.,
Professor of History and of English Language and Literature.

FRED. E. STIMPSON, B. S.,
Professor of Experimental Physics.

S. W. Y. SCHIMONSKY, *Grad. Polytech. Sch., Berlin, Prussia.*
Professor of Engineering and General Industrial Drawing.

BYRON C. SMITH, A. M.,
Professor of Greek Language and Literature.

ALBERT NEWMAN, M. D.,
Instructor in Human Anatomy and Physiology, and Hygiene.

J. E. BARTLETT,
Instructor in Vocal Music.

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The Regency has in contemplation changes in the Faculty organization, of which the details will be announced in a forth-coming circular.

# Degrees Conferred.

## Commencement 1873, on Examination, Class of 1873.

BACHELOR OF ARTS.

RALPH COLLINS, | FLORA RICHARDSON,
L. D. L. TOSH.

CIVIL ENGINEERING.

MURRAY HARRIS.

# Collegiate Department.

*Abbreviations.*—Cl. for classical; Sc. for scientific; M. L. for modern literature; E. for engineering.

| *Names.* | *Courses.* | *Residences.* |
|---|---|---|

**SENIORS.**

| | | |
|---|---|---|
| Ida L. Blood, | Sc | *Lawrence.* |
| E. B. Noyes, | E | *Wakarusa.* |
| Hannah Oliver, | Cl | *Lawrence.* |

**JUNIORS.**

| | | |
|---|---|---|
| E. H. Bancroft, | Cl | *Emporia.* |
| Alice G. Boughton, | M. L. | *Moravia, N. Y.* |
| Martha R. Campbell, | M. L. | *Lawrence.* |
| Frank P. Mac Lennan, | E. | *Emporia.* |
| Kate Stephens, | Cl | *Wakarusa.* |

**SOPHOMORES.**

| | | |
|---|---|---|
| Charles F. Bassett, | Cl | *Galesburg, Ill.* |
| George F. Gaumer, | Sc | *Wakarusa.* |
| May E. Richardson | Sc | *Lawrence.* |
| W. F. Sergent, | Sc | *Lawrence.* |
| C. W. Smith, | Sc | *East Lynne, Mo.* |
| Nelson J. Stephens, | Cl | *Wakarusa.* |
| H. S. Tremper, | Cl | *Galesburg, Ill.* |
| Elmer B. Tucker, | Cl | *Lawrence.* |
| Jas. A. Wickersham, | Sc | *Dimon.* |

| *Names.* | *Courses.* | *Residences.* |
|---|---|---|

**FRESHMEN.**

| | | |
|---|---|---|
| Andrew Atchison, | Cl | *Richmond.* |
| Jonathan W. Ball, | Cl | *Olathe.* |
| Fernando S. Barber, | Cl | *Lawrence.* |
| Bion H. Barnett, | Sc | *Hiawatha.* |
| Frank T. Botsford, | M. L. | *Bridgeport, Conn.* |
| A. Gertrude Bullene, | M. L. | *Wakarusa.* |
| Eliza Emmett, | Sc | *Lawrence.* |
| Alice Goss, | Sc | *Wakarusa.* |
| May Harris, | M. L | *Bowling Green, Mo.* |
| Abbie A. Holt, | M. L. | *Centre Ridge.* |
| Kate G. Jenkins, | Cl | *Lawrence.* |
| John H. Long, | Sc | *Olathe.* |
| Lizzie J. Miller, | Sc | *Lawrence.* |
| Frank H. Morgan, | Sc | *Leavenworth.* |
| William Osburn, | Cl | *Wilmington, Ill.* |
| Louisa Rankin, | Sc. | *Wakarusa.* |
| *A. L. Read, | Cl. | *Winona, Wis.* |
| A. A. Rodgers, | M. L. | *Topeka.* |
| A. C. Scott, | Cl | *Carlyle.* |
| Grace E. M. Scoullar, | Cl | *Chicago, Ill.* |
| Kate S. Smeed, | M. L. | *Lawrence.* |
| Carrie M. Watson, | M. L. | *Lawrence.* |
| Clementine M. Wilson, | Sc | *Lawrence.* |
| Selina Wilson, | Sc | *Lawrence.* |
| Lizzie Yeagley, | M. L. | *Lawrence.* |

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**SELECT COURSE.**

| | |
|---|---|
| Anna Baker, | *Hiawatha.* |
| Ida Baker, | *Hiawatha.* |
| Frank D. Black, | *Topeka.* |

*Deceased.

| *Names.* | *Residences.* |
|---|---|
| E. F. Burnett, | *Grant.* |
| L. O Dick, | *Topeka.* |
| Frances S. Fraser, | *Lawrence.* |
| Mollie Gamble, | *Tonganoxie.* |
| Charles H. Harris, | *Bowling Green, Mo.* |
| L. L. Harris, | *Oskaloosa.* |
| William O. King, | *Topeka.* |
| Hattie E. Lewis, | *Malone, N. Y.* |
| Ida M. Negley, | *Mercersburg, Pa.* |
| James L. Rains, | *Oskaloosa.* |
| Kate M. Schmucker, | *Lawrence.* |
| J. W. Stringfield, | *Falls City, Neb.* |
| S. C. Usher, | *Lawrence.* |

# Preparatory Department.

| *Names.* | *Courses.* | *Residences.* |
|---|---|---|

## SENIOR CLASS.

| | | |
|---|---|---|
| Lolie Belle, | M. L... | *Wakarusa.* |
| Mary A. Eidemiller, | Sc..... | *Lawrence.* |
| Isaac C. Goff, | Sc..... | *Cleveland, O.* |
| C. P. Grovenor, | Sc..... | *Lawrence.* |
| Charles Gunn, | Sc..... | *Lawrence.* |
| Vara H. Gunn, | M. L... | *Lawrence.* |
| Mary E. Herrington, | M. L... | *Lawrence.* |
| R. D. Protzman, | Sc..... | *Hillsdale.* |
| E. A. Reaser, | Sc..... | *Leavenworth.* |
| Alma Richardson, | Cl..... | *Lawrence.* |
| Emma A. Savage, | Sc.... | *Wakarusa.* |
| W. E. Stevens, | Sc..... | *Paola.* |
| Mary H. Thacher, | Sc..... | *Lawrence.* |
| Colin F. Timmons, | Cl..... | *Lawrence.* |
| Marcia R. Wood, | Sc .... | *Lawrence.* |
| Dibert L. Yeagley, | Sc..... | *Lawrence.* |

## MIDDLE CLASS.

| | | |
|---|---|---|
| Cyrus Anderson, | M. L... | *Paola.* |
| Arthur E. Blood, | Sc..... | *Lawrence.* |
| Harmon M. Byers, | Cl..... | *Troy.* |
| Charles H. Conklin, | Sc..... | *Thayer.* |
| C. W. Cox, | Cl..... | *Burlington.* |
| C. Eickenberg, | Sc..... | *Garnett.* |
| J. A. Endsley, | Sc..... | *Richmond.* |

| *Names.* | *Courses.* | *Residences.* |
|---|---|---|
| E. E. Erskine, | Sc. | *East Springfield, O.* |
| Mattie Erskine, | Sc. | *East Springfield, O.* |
| Mary L. Field, | Sc. | *Wakarusa.* |
| Fred. H. Goff, | Sc. | *Cleveland, O.* |
| Anna F. Hancock. | Sc. | *Lawrence.* |
| J. G. Johnson, | Cl. | *Garnett.* |
| Walter J. Lewis, | Sc. | *Malone, N. Y.* |
| Darius Lucas, | Cl. | *Burlingame.* |
| Josie March, | Sc. | *Lawrence.* |
| Frank C. Montgomery, | Sc. | *Lawrence.* |
| Mary V. Montgomery, | Sc. | *Lawrence.* |
| J. H. Pierson, | Sc. | *Kanwaka.* |
| Florence I. Saunders, | Sc. | *Lawrence.* |
| D. Etta Warren, | M. L. | *Lawrence.* |
| Kate Williams, | M. L. | *Lawrence.* |

## JUNIOR CLASS.

| | |
|---|---|
| A. J. Adams, | *Perry.* |
| G. L. Adams, | *Lawrence.* |
| W. J. Anderson, | *Lawrence.* |
| R. F. Brown, | *Medina.* |
| V. F. Brown, | *Medina.* |
| W. C. Burnett, | *Lawrence.* |
| Lizzie R. Campbell, | *Peabody.* |
| J. G. Casebier, | *Tonganoxie.* |
| Jennie E. Corel, | *Wakarusa.* |
| Lizzie Cox, | *Jackson, Mich.* |
| Alice Dennison, | *Lawrence.* |
| John Dolan, | *Wakarusa.* |
| Rebecca Drisdom, | *Lawrence.* |
| Helen E. Eidemiller, | *Lawrence.* |
| H. F. English, | *Tiblow.* |
| Louisa E. Fluke, | *Lawrence.* |

| *Names.* | *Residences.* |
|---|---|
| Julia Franklin, | *Lawrence.* |
| Carrie Goss, | *Wakarusa.* |
| Clara E. Gray, | *Lawrence.* |
| James M. Griffith, | *Fort Riley.* |
| Ella Harshe, | *Locust Hill, Pa.* |
| Eva Himoe, | *Wakarusa.* |
| Kate Hoogland, | *Lawrence.* |
| Mattie King, | *Sigel.* |
| Mary Ladd, | *Wakarusa.* |
| C. T. Likins, | *Cherryvale.* |
| J. A. McKnight, | *Salt Lake, Utah.* |
| W. C. McCann, | *Maroa, Ill.* |
| Lorenzo D. Maison, | *Spring Hill.* |
| William G. Melville, | *Lawrence.* |
| Edward Menger, | *Febing, Neb.* |
| H. W. Miller, | *Wamego.* |
| Robert C. Morrow, | *Lawrence.* |
| Livonia Nigh, | *Cherryvale.* |
| H. W. Pearse, | *Chelsea.* |
| J. W. Rains, | *Osawkee.* |
| D. J. Rankin, | *Wakarusa.* |
| Frances W. Robbins, | *Lawrence.* |
| Sadie Shepherd, | *Prairie City.* |
| D. T. Short, | *Lawrence.* |
| Harold C. Short, | *Lawrence.* |
| William H. Simpson, | *Lawrence.* |
| Alfred A. Smith, | *Leavenworth.* |
| David Street, | *Tonganoxie.* |
| Nellie G. Thacher, | *Lawrence.* |
| Frank Thralls, | *Spring Hill.* |
| E. P. Tremper, | *Galesburg, Ill.* |
| Adda L. Tweed, | *Wakarusa.* |
| Ella M. Waters, | *Lawrence.* |
| Josephine R. Wheeler, | *Wakarusa.* |
| Solon T. Williams, | *Franklin.* |

| *Names.* | *Residences.* |
|---|---|
| Elmer White, | *Stranger.* |
| Almira Wood, | *Lawrence.* |
| Henry H. Wright, | *Burlington.* |
| Rella Yeagley, | *Lawrence.* |

## SELECT COURSE.

| | |
|---|---|
| Addie F. Bangs, | *Lawrence.* |
| A. L. Barnard, | *Osawattomie.* |
| H. G. Barnard, | *Osawattomie.* |
| H. C. Burnett, | *Lawrence.* |
| Charles G. Casebier, | *Tonganoxie.* |
| *Clara Disbrow, | *Clinton.* |
| E. N. Draper, | *Kanwaka.* |
| D. C. Hanes, | *Ottawa.* |
| Kate Harris, | *Oskaloosa.* |
| Mattie Harris, | *Oskaloosa.* |
| M. V. Ingram, | *Centralia.* |
| Stephen G. Mason, | *Muscotah.* |
| Florence Nevison, | *Morgan, O.* |
| Eric Owens, | *Emporia.* |
| Frank Payne, | *Kansas City, Mo.* |
| Mary Rains, | *Oskaloosa.* |
| David Shirar, | *Wakarusa.* |
| *Mary Smith, | *Oskaloosa.* |
| Belle Stevens, | *North Shapleigh, Me.* |
| Frank Stewart, | *Humboldt.* |
| Emma C. Thrasher, | *Iola.* |
| S. E. True, | *Newman.* |
| G. M. Walrad, | *Elk City.* |
| Effie Wood, | *Waveland.* |

*Students admitted since the publication of the last Catalogue, but not present at recitations during the last academic year.

# SUMMARY OF GENERAL RECORD.

Total number of students examined for advancement or admission, since 28th May, 1873, ..... 218

Number of students accepted and enrolled, and constituting the aggregate attendance as exhibited in this catalogue, for the academic year, September '73, June '74,..... 173

# SUMMARY OF CLASSIFICATION.

| COLLEGIATE DEPARTMENT. | Males. | Females. | Total. |
|---|---|---|---|
| Senior Class, | 1 | 2 | 3 |
| Junior Class, | 2 | 3 | 5 |
| Sophomore Class, | 8 | 1 | 9 |
| Freshman Class, | 11 | 14 | 25 |
| Select Course, | 9 | 7 | 16 |
| Aggregate Collegiate Department, | 31 | 27 | 58 |
| **PREPARATORY DEPARTMENT.** | | | |
| Senior Class, | 8 | 8 | 16 |
| Middle Class, | 14 | 8 | 22 |
| Junior Class, | 31 | 24 | 55 |
| Select Course, | 14 | 8 | 22 |
| Aggregate Preparatory Department, | 67 | 48 | 115 |
| Aggregate of both Departments, | 98 | 75 | 173 |

COUNTIES REPRESENTED.—Leavenworth, Lyon, Franklin, Douglas, Johnson, Brown, Woodson, Shawnee, Allen, Jefferson, Miami, Doniphan, Neosho, Coffey, Anderson, Osage, Marion, Wyandotte, Davis, Montgomery, Pottawattomie, Butler, Neosho, Atchison.

# Course of Instruction.

## COLLEGIATE DEPARTMENT.

Of the several departments contemplated in the act of incorporation, only one has yet been organized, viz: the *Department of Sciences, Literature and the Arts.* This Department, at present, comprises four courses of Instruction, viz: —a *Classical Course*, leading to the degree of Bachelor of Arts; a *Scientific Course*, leading to the degree of Bachelor of Science; a *Modern Literature Course*, leading to the degree of Bachelor of Arts; and a *Course* in *Civil* and *Topographical Engineering*, leading to the degree of Bachelor of Civil and Topographical Engineering. Other courses of instruction will be added as the growth of the State and of the University may render advisable.

**Terms of Admission.**

For terms of admission to the Collegiate Department see Preparatory Courses. Equivalents are accepted.

## CLASSICAL COURSE.

### FRESHMAN CLASS.

FIRST SESSION.

Latin—Cicero de Amicitia; Prose Composition.

Greek—Xenophon's Memorabilia of Socrates, three books; Composition; Smith's History of Greece, Books III and IV.

Algebra—Series, Logarithms, and General Theory of Equations.

English—Angus' English Language.

Zoology.

SECOND SESSION.

Latin—Livy; Prose Composition; Liddell's History of Rome, Books I and II.

Greek—Plato's Apology and Crito; Books V and VI of Smith's History; Composition.

Geometry—Elements Completed.

Oriental History.

Zoology.

## SOPHOMORE CLASS.

FIRST SESSION.

Latin—Horace's Odes; Composition; Books III and IV Liddell's History.

Greek—Plato's Gorgias; Becker's Charicles; Composition.

Trigonometry.

Modern History, from A. D. 1453 to 1648.

Physics.

Meteorology.

SECOND SESSION.

Latin—Horace's Satires and Epistles; Composition; Liddell's History Completed.

Greek—Demosthenes De Corona; Constitutional History of Greece; Composition.

Analytical Geometry; Conic Sections.

Modern History from 1648 to 1815.

Physics.

Meteorology.

## JUNIOR CLASS.

FIRST SESSION.

Latin—Tacitus' Annals; Roman Literature.

Greek—Historians—Selections; History of Greek Art.

History—Mediaeval, from Clovis to Charles VIII.

Logic.

Chemistry.

Physiology.

SECOND SESSION.

Latin—Comedies; Catullus; Roman Literature.

Greek—Homer, eight books; History and Theory of Epic Poetry among the Greeks.

English Literature; History of Logic.

Physiology.

## SENIOR CLASS.

FIRST SESSION.

Greek—Dramas; Greek Literature.

Rhetorical and Historical Criticism of selected English Authors.

Metaphysics—Mental Science.

Political Economy.

Geology.

Astronomy.

SECOND SESSION.

Greek—Lyric Poets; Literature.

English—First Term's work continued.

Metaphysics—Moral Science.

Political Economy.

Geology,

Astronomy.

# SCIENTIFIC COURSE.

## FRESHMAN CLASS.

FIRST SESSION.

Algebra—Series, Logarithms and General Theory of Equations.
English—Angus' English Language.
Zoology.
Physics—Mechanics of Solids, Liquids, and Gases.
Chemical Manipulations.
German, or French.
Drawing.

SECOND SESSION.

Geometry—Elements completed.
Oriental History.
Zoology.
Physics—Mechanics of Solids, Liquids and Gases.
Chemical Manipulations.
German, or French.
Drawing.

## SOPHOMORE CLASS.

FIRST SESSION.

Trigonometry.
Modern History, from A. D. 1453 to 1648.
Meteorology.
Physics—Advanced course of Mechanics, Sound, Heat and Light.
Lectures on Chemistry, with experiments.
German, or French.
Drawing.

SECOND SESSION.

Analytical Geometry—Conic Sections.
Modern History from A. D. 1648 to 1815.
Meteorology.
Physics—Advanced course of Mechanics, Sound, Heat and Light.
Lectures on Chemistry, with experiments.
German, or French.
Drawing.

## JUNIOR CLASS.

FIRST SESSION.

Calculus—Differentials of Functions, and Geometric Applications.
History—Mediaeval, from Clovis to Charles VIII.
Logic.
Lectures on Chemical Elements.
German.

SECOND SESSION.

Calculus—Integration of simple Functions, and Linear Equations.
English Literature, History of.
Logic.
Lectures on Chemical Physics.
German.

### SENIOR CLASS.

FIRST SESSION.

Astronomy.
Rhetorical and Historical Criticism of selected English authors.
Metaphysics—Mental Science.
Geology.

SECOND SESSION.

Astronomy.
Rhetorical and Historical Criticism of selected English authors.
Metaphysics—Moral Science.
Political Economy.
Geology.

## MODERN LITERATURE COURSE.

### FRESHMAN CLASS.

FIRST SESSION.

Algebra—Series, Logarithms and General Theory of Equations.
English— Angus' English Language.
Zoology.
German.
French.
History—Liddell's Roman.
Drawing.

SECOND SESSION.

Geometry—Elements completed.
Oriental History.
Zoology.
German.
French.
Greek History,—Smith's.
Drawing.

## SOPHOMORE CLASS.

FIRST SESSION.

Trigonometry.
History, from 1453 to 1648, A. D.
Meteorology.
Physics.
French.
German.

SECOND SESSION.

Analytical Geometry—Conic Sections.
History from 1648 to 1815, A D.
Meteorology.
Physics.
French.
German.

## JUNIOR CLASS.

FIRST SESSION.

Calculus—Differentials of Functions and Geometric Applications.
Logic.
Chemistry.
History—Mediaeval from Clovis to Charles VIII..
Physiology.
German.
History of Greek Literature.

SECOND SESSION.

Calculus—Integration of Simple Functions and Linear Equations.
Logic.
Chemistry.
English Literature, History of.
Physiology.
German.
History of Roman Literature.

## SENIOR CLASS.

FIRST SESSION.

Astronomy.
Rhetorical and Historical Criticism of selected English Authors.
Metaphysics—Mental Science.
Geology.
Social Science.
German.

SECOND SESSION.

Astronomy.
Rhetorical and Historical Criticism of selected English Authors.
Metaphysics—Moral Science.
Geology.
Social Science.
German.

# COURSE OF CIVIL ENGINEERING.

## FRESHMAN CLASS.

Studies—Same as those of Freshman Class Scientific Course, with the addition of Industrial Drawing.

## SOPHOMORE CLASS.

Studies—Same as those of Sophomore Class Scientific Course, with the addition of Industrial Drawing.

## JUNIOR CLASS.

FIRST SESSION.

Calculus—Differentials of Functions, and Geometric Applications.
Lectures on Chemical Elements.
Descriptive Geometry.
Mechanics—Force in rigid bodies; Hydrostatics; Strength of materials.
Applied Mechanism—Materials and Structures; Masonry.
Civil Engineering Proper—Survey, Location, and Construction of Roads and Railroads.
Drawing.
Field Practice.

SECOND SESSION.

Calculus—Integration of Simple Functions, and Linear Equations.
Lectures on Chemical Physics.
Applied Mechanics—Masonry, Carpentry, and Metallic Structures.
Civil Engineering Proper—Survey, Location, and construction of Roads and Railroads.
Drawing.
Field Practice.

## SENIOR CLASS.

FIRST SESSION.

Astronomy.
Geology.
Analytical Mechanics.
Civil Engineering Proper—Distribution of Water; Drainage; Canals; River improvements, Lakes, &c.
Drawing.
Field Practice.

SECOND SESSION.

Astronomy.
Geology.
Civil Engineering—Practical applications.
Analytical Mechanics.

N. B.—A rhetorical exercise is expected at the close of the daily devotions in the University Hall, each collegiate student preparing one in turn.

Natural History.—A special course for advanced students in Botany and Zoology, will be opened at the beginning of the next academic year (Sept., 1874). The course will be available to Juniors and Seniors in the Scientific Department.

# Preparatory Department.

This Department has been organized to supply the existing want of suitable Preparatory Schools in the State, and therefore will not be made a permanent feature of the University.

**Terms of Admission.**

Candidates for admission to the Junior Class are examined in the following studies, viz:

Orthography.
Reading.
Mental Arithmetic.
Written Arithmetic, to Interest.
Elements of Geography.
Elements of English Grammar.

## CLASSICAL COURSE.

### JUNIOR CLASS.

FIRST SESSION.

Latin—Harkness' Latin Grammar and Reader.
English—Etymology, Grammatical and Historical.
Arithmetic.
Physical Geography and Map Drawing.

SECOND SESSION.

Latin—Harkness' Latin Grammar and Reader.
English—Synonyms and Composition.
Arithmetic.
Physical Geography and Map Drawing.

### MIDDLE CLASS.

FIRST SESSION.

Latin—Cæsar's Commentaries, First Book Harkness' Latin Grammar.
Greek—Harkness' First Greek Book.
Higher Arithmetic.
History of the United States.

SECOND SESSION.

Latin—Cæsar's Commentaries, Second and Third Books.—Grammar.
Greek—Harkness' First Greek Book.
Elementary Algebra,—Simple Equations.
History of the United States; Outline of the Constitution.

### SENIOR CLASS.

FIRST SESSION.

Latin—Virgil's Æneid, First Book; Prosody, Composition.
Greek—Xenophon's Anabasis, Book I. Jones' Exercises. Smith's History of Greece, Book I.
English—Elements of the Sentence.
Botany.
Elementary Algebra—Radicals and Equations of second degree.

SECOND SESSION.

Latin—Virgil's Æneid, Books II and III, Prosody, Composition.
Greek—Books II and III of Anabasis, Jones' Exercises. Smith's History of Greece, Books II and III.
Geometry—First four Books.
English—Forms of Elements and Syntax.
Botany.

## SCIENTIFIC COURSE.

### JUNIOR CLASS.

Studies—Same as those of the Junior Class, Classical course, with the addition of Drawing.

### MIDDLE CLASS.

FIRST SESSION.

Higher Arithmetic.
Elements of Mechanics, Sound, Light, Heat, Electricity, and Chemistry.
History of the United States.
French.
Drawing.

SECOND SESSION.

Elementary Algebra—through Simple Equations.
Elements of Mechanics, Sound, Light, Heat, Electricity, and Chemistry.
History of the United States; Outline of the Constitution.
French.
Drawing.

### SENIOR CLASS.

FIRST SESSION.

Algebra—Radicals, and Equations of second degree.
English—Elements of the Sentence.
Human Anatomy and Physiology.
Botany.
German.
Drawing.

SECOND SESSION.

Geometry—The first four Books.
English—Forms of Elements, and Syntax.
Human Anatomy and Physiology.
German.
Drawing.

# MODERN LITERATURE COURSE.

## JUNIOR CLASS.

Studies—Same as those of the Junior Class, Classical Course.

## MIDDLE CLASS.

FIRST SESSION.

Higher Arithmetic.
United States History.
Caesar, First Book of Commentaries with Grammar.
French.

SECOND SESSION.

Elementary Algebra through Simple Equations.
United States History, with outlines of the Constitution.
Caesar's Commentaries, Second and Third Books with Grammar.
French.

## SENIOR CLASS.

FIRST SESSION.

Elementary Algebra, Radicals and Equations of second degree.
English Elements of the Sentence.
Botany.
German.
French.

SECOND SESSION.

Geometry—First four Books.
English—Forms of Elements and Syntax.
Botany.
German.
French.

# Miscellaneous Information.

## SELECT COURSE OF STUDY.

Students who desire to confine their attention to special branches, adapted to their requirements and attainments, are permitted, subject to the advice of the Faculty, to take such a select course of study as they can pursue with advantage.

## APPARATUS OF INSTRUCTION.

The *Chemical Department* is supplied with laboratory stands and with the apparatus and chemicals requisite for a complete course of laboratory practice in Analytical Chemistry.

The Department of Astronomy is provided with a Green's *Standard Barometer* and Thermometer, an Astronomical Clock, and five-feet Astronomical Transit for the use of students in Observatory Practice; and with a Gambey's Sextant, an Artificial Horizon, and a Negus Box Chronometer, for use in Field Practice in Astronomy.

The Department of Engineering possesses an Engineer's Transit, an Engineer's Y Level, and all requisite accompaniments for the most approved kind of *Office* and *Field* work in Engineering.

The collection of Philosophical Apparatus affords the means of making a wide range of experimental illustrations in Mechanics and Physics.

## SESSIONS AND VACATIONS.

The Academic year is divided into two sessions of twenty weeks each. The first session begins on the first Wednesday following the 4th of September. For particulars see Calender.

## EXAMINATIONS.

Public examinations of the classes are held at the close of the first session on the studies of the session; and at the close of the Academic year, on the studies of the year.

## EXPENSES.

No charges are made by tne University, except a contingent fee of five dollars per session.

The Treasurers receipt for this fee must be presented by each candi-

date for examination or enrollment. The fee will be returned to students not admitted on examination.

Orphans of soldiers and of citizens killed in Quantrell's raid, are exempt from the payment of the contingent fee.

Board in private families may be had for $4 a week.

By uniting in clubs, and boarding themselves, students may reduce their expenses one half.

## LIBRARY.

The Library which has received an important appropriation and will be supplied with necessary books of reference and periodicals is open to the use of students. A reading room is attached.

## CABINET COLLECTIONS.

Important aid in the study of Natural History is afforded by the Cabinet Collections, which contain upwords of 12,000 specimens illustrating chiefly the departments of Botany, Entomology, and Geology.

## SOCIETIES.

Voluntary societies of students exist in the University, for the prosecution of Rhetorical, Historical and Scientific Studies.

## DEVOTIONAL EXERCISES.

Devotional Exercises are held in the University Hall every morning.

## DISCIPLINE.

Unexceptionable Deportment, and a strict observance of University rules are enforced.

## DONATIONS.

By David Creese, of Portsmouth, Ohio:
500 specimens of the native woods of Ohio.

By F. Kesler, of Quindaro:
300 specimens of minerals from the Rocky Mountains.

By W. H. Saunders, M. D.:
1000 specimens Plants of Michigan, Kansas, and Dacotah Territory.

By George F. Gaumer:
300 specimens Kansas Insects; Indian relics from Southern Kansas; Saurian and Fish remains from Western Kansas.

By E. B. Noyes:
200 specimens Kansas Insects.

By A. N. Fuller:
Quartz Crystals and glacial striae from Herkimer Co., New York.

By Miss Sarah A. Brown, from the estate of Prof. Jno. L. Russell of Salem, Mass.:

A valuable collection of New England minerals.

By F. H. Snow, aided by the students of the University:

2000 specimens Kansas Plants,
2000 specimens Kansas Insects,
200 specimens Kansas Birds and Mammals,
300 specimens Kansas Fossils.

By W. H. Newlin:

Geological specimens from Labette Co.

By Col. W. A. Rankin:

Fossils from Carbondale coal mines.

By Byron C. Smith:

Vols. I and II of Geological Survey of Illinois.

By Department of the Interior:

59 Vols. Congressional Reports.

By Dr. Wheeler, Lawrence:

A three feet Gas Holder.

By Publisher:

The Kansas Daily Commonwealth.

By the late Fred. H. Stimpson, Esq., Boston, Mass.:

22 Astronomical Engravings from Observatory of Harvard College.

# CALENDAR FOR 1874.

January 3—Christmas Recess ends.....Saturday
January 15—Semi-annual Examinations begins.....Thursday
January 20—Semi-annual Examinations end.....Tuesday
January 20—First Sessson ends.....Tuesday
January 21—Second Session begin.....Wednesday
March 21—Spring Recess begins.....Saturday
March 28—Spring Recess ends.....Saturday
May 28—Annual Examinations begin.....Thursday
June 3—Annual Examinations end.....Wednesday
June 4—Examination of candidates for admission.....Thursday
June 7—Baccalaureate Address.....Sunday
June 9—Class-day.....Tuesday
June 10—Commencement-day.....Wednesday

SUMMER VACATION OF THIRTEEN WEEKS.

September 9—First Session begins.....Wednesday
September 9 } Examination of candidates for admission { Wednesday
September 10 } { Thursday
December 19—Christmas Recess begins.....Saturday

# CALENDAR FOR 1875.

January 2—Christmas Recess ends.....Saturday
January 21—Semi-annual Examinations begin.....Thursday
January 26—Semi-annual Examinations end.....Tuesday
January 26—First Session ends.....Tuesday
January 27—Second Session begins.....Wednesday
March 27—Spring Recess begins.....Saturday
April 3—Spring Recess ends.....Saturday
June 3—Annual Examinations begin.....Thursday
June 9—Annual Examinations end.....Wednesday
June 10—Examination of candidates for admission.....Thursday
June 13—Baccalaureate Address.....Sunday
June 15—Class-day.....Tuesday
June 16—Commencement-day.....Wednesday

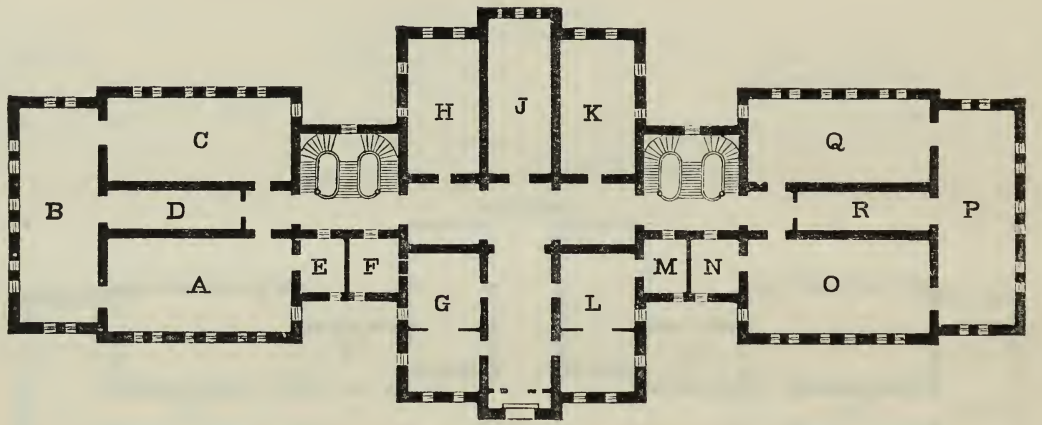
SUMMER VACATION OF TWELVE WEEKS.

September 8—First Session begins.....Wednesday
September 8 } Examination of candidates for admission { Wednesday
September 9 } { Thursday
December 18—Christmas Recess begins.....Saturday

# Plan of Building.

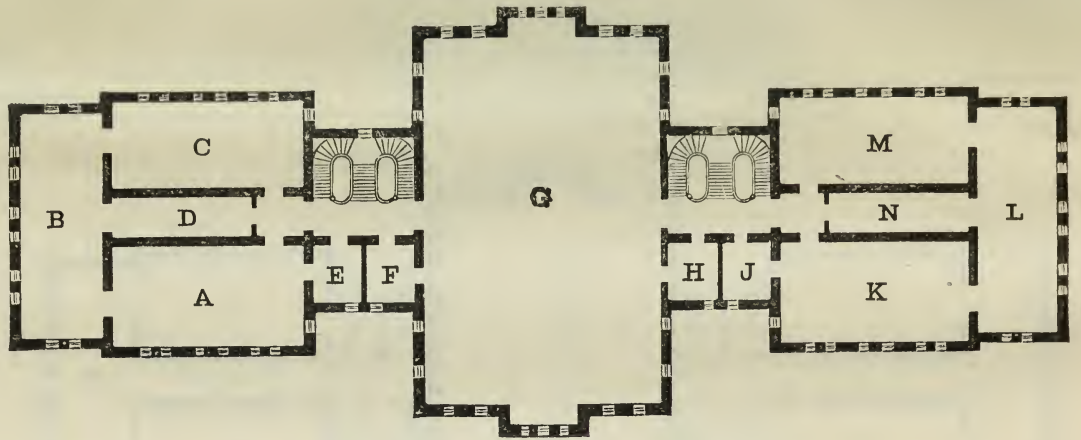
PLAN OF BASEMENT.

A. Chemical Lecture Room.
B. Laboratory for beginners in Chemistry.
C. Laboratory for advanced students in Chemistry.
D. Re-agent Room.
E. Balance Room.
F. Private Laboratory of Professor of Chemistry.
G. Chemical Store-room
H. Cold Air Chamber.
J. Boiler Room.
K. Permanent Electrical Batteries, and Reservoirs of Oxygen and Hydrogen.
L. Standard Weights and Measures.
M. Blowpipe Laboratory.
N. Workshop.
O. Metallurgical Laboratory.
P. Tools and Materials.



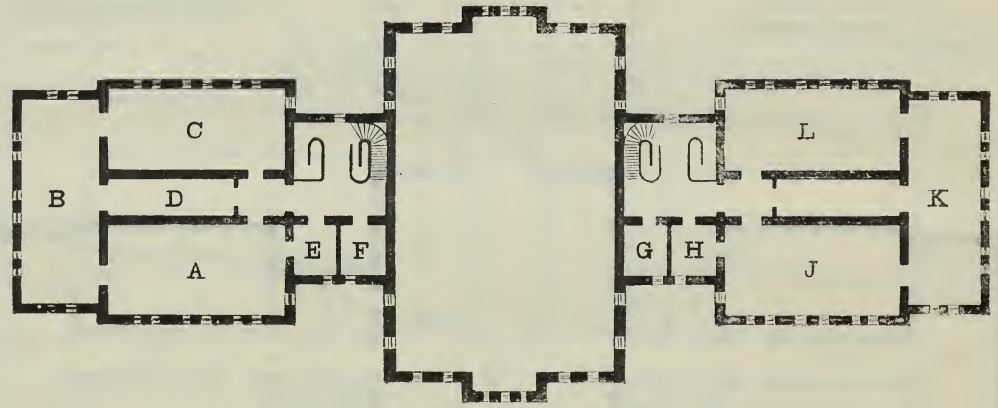

PLAN OF FIRST STORY.

A- Lecture Room—Physics and Mechanics.
B. Laboratory Room for beginners in Physics and Mechanics.
C. Laboratory Room for advanced students in Physics and Mechanics.
D. Apparatus Room.
E. Study of Professor of Physics.
F. Study of Professor of Chemistry.
G. President's Office and Faculty Room.
H. Higher Mathematics and Astronomy.
J. Ladies' Cloak Room.
K. Mental and Moral Philosophy, Logic and Political Economy.
L. Regents' Room and Office of Treasurer.
M. Study of Professer of History and English Languages and Literature.
N. Study of Professor of Mathematics.
O. Mathematical Room.
P. Students' Reading Room.
Q. History, English Language and Literature.
R. Ante Room.




PLAN OF SECOND STORY.

A. Lecture Room—Natural History and Geology.
B. Botanical Laboratory.
C. Zoological Museum and Laboratory.
D. Botanical and Geological Cabinet.
E. Study of Professor of Natural History.
F. Study of Professor of Astronomy.
G. Hall for general assemblies and examinations.
H. Study of Professor of Latin.
J. Study of Professor of Greek.
C. Recitation Room in Greek.
L. Pencil and Crayon Drawing.
M. Recitation Room in Latin.
N. Collection of Models.




PLAN OF THIRD STORY.

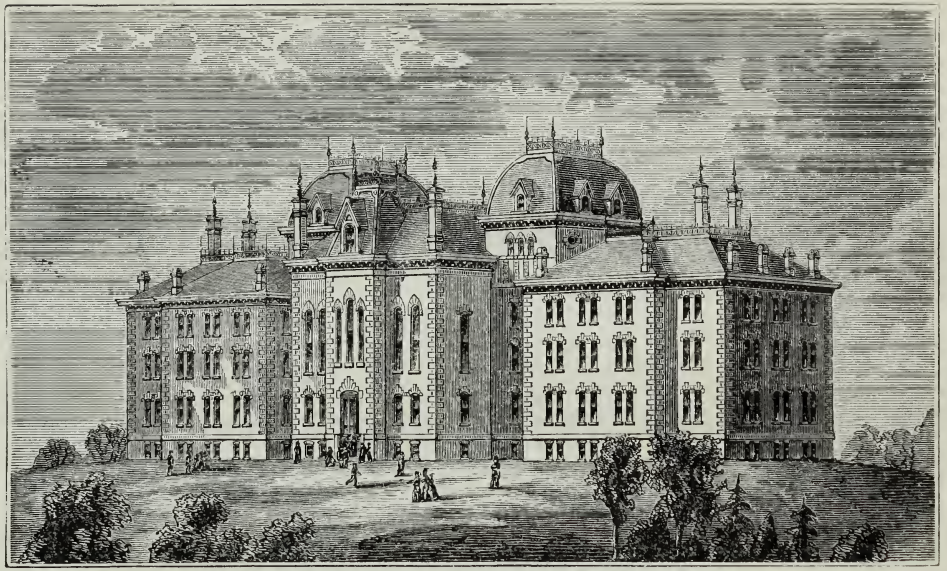
A. Lecture Room—Surveying and Engineering.
B. Topographical Room.
C. Museum of Descriptive Geometry and Mechanics.
D. Room for models in Engineering.
E Study of Professor of Engineering.
F. Study of Professor of Modern Langnages.
G. Study of Professor of Engineering.
H. Study.
J. K. L. Department of Industrial Drawing.

Compliments of

J. MARVIN,

Chancellor.

*Please Exchange.*



**THE NEW UNIVERSITY BUILDING, ERECTED BY THE CITY OF LAWRENCE.**

DIMENSIONS:—Length, 246 ft.; width in center, 98 ft.; width of wings, 62 ft; height of observatories, 95 ft. Total number of rooms, 54, including a hall, which is 94 ft. long, 56 ft. wide, and 35 ft high. All the rooms are to be devoted to the work of instruction. The departments of Chemistry, Physics, Natural History, Mechanics, Engineering and Drawing, have each a suit of rooms, viz.: a lecture room, 23x45 ft.; a laboratory room for beginners, 19x52 ft.; a laboratory room for advanced students, 21x45 ft.; and a room for apparatus and consulting library, 11x35 ft.

NINTH

# ANNUAL CATALOGUE

OF THE

## Officers and Students

OF THE

# UNIVERSITY OF KANSAS.

1874-5.

LAWRENCE, KANSAS:
REPUBLICAN JOURNAL STEAM PRINTING ESTABLISHMENT.
1875.

# Board of Regents.

HON. N. C. McFARLAND,.....Term expires April 1, 1876.
REV. F. T. INGALLS,..... " " " 1876.
REV. T. F. HOUTS, ..... " " " 1877.
HON. J. S. EMERY,.. ..... " " " 1877.
REV. A. BEATTY, ..... " " " 1878.
HON. V. P. WILSON, ..... " " " 1878.
REV. JAMES MARVIN, *Chancellor;* ex-officio member of Board.

## OFFICERS OF THE BOARD.

JOHN FRASER, *President*,.....Resigned November, 1874.
JAMES MARVIN, " .....Elected " 1874.
F. T. INGALLS, *Secretary*, .....Re-elected April 1, 1875.
W. A. SIMPSON, *Treasurer*, ..... " " 1875.
PROF. B. C. SMITH, *Librarian*,.....to December 31, 1874.
PROF. E. MILLER, " .....from January 1, 1875.

## COMMITTEES.

*Internal Management*, ..... { A. BEATTY, F. T. INGALLS.
*University Grounds and Buildings*, ..... { JAMES MARVIN, J. S. EMERY.
*Finance*, ..... { T. F. HOUTS, V. P. WILSON.
*Lands*, ..... { J. S. EMERY, V. P. WILSON, N. C. McFARLAND.

# Faculty.

REV. JAMES MARVIN, D. D., *President,*
* *Professor of Mental and Moral Philosophy.*

DAVID H. ROBINSON, A. M.,
*Professor of Latin Language and Literature.*

FRANK H. SNOW, A. M.,
*Professor of Natural Science, in charge of Botany, Zoology, Geology and Meteorology.*

FREDERIC W. BARDWELL, B. S.,
*Professor of Mathematics and Astronomy.*

BYRON C. SMITH, A. M.,
† *Professor of Greek Language and Literature.*

WM. T. GAGE, A. M.,
*Professor of History and of English Language and Literature.*

—. —. ——,
‡ *Professor of Engineering and General Industrial Drawing.*

G. E. PATRICK, B. S.,
*Assistant Professor of Natural Science, in charge of Chemistry and Physics.*

E. MILLER, A. M.,
*Assistant Professor of Mathematics.*

FRANCES SCHLEGEL,
*Assistant Professor of German, French, and Free-hand Drawing.*

ALBERT NEWMAN, M. D.,
*Instructor in Human Anatomy and Physiology, and Hygiene.*

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* Hon. John Fraser, A.M., President, retired from the Faculty on the appointment of his successor, in November, 1874.

† Prof. D. B. English, Ph. D., has filled the Greek chair since January 1st, in place of Prof. B. C. Smith, absent on leave.

‡ This Chair is temporarily in charge of the Professor of Mathematics and Astronomy.

# Degrees Conferred,

## Commencement Class of 1874.

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BACHELOR OF ARTS.

E. B. NOYES. | HANNAH OLIVER.

BACHELOR OF SCIENCE.

IDA L. BLOOD.

# COLLEGIATE DEPARTMENT.

*Abbreviations*—Cl. for classical ; Sc. for scientific ; M. L. for modern literature ; E. for engineering; N. H. for natural history.

| *Names.* | *Courses.* | *Residences.* |
|---|---|---|
| **SENIORS.** | | |
| Alice G. Boughton, | M. L. | *Moravia, N. Y.* |
| Martha R. Campbell, | M. L. | *Lawrence.* |
| Frank F. Dinsmoor, | Sc. | *Lawrence.* |
| W. S. Herrick, | Sc. | *Lawrence.* |
| Frank P. MacLennan, | E. | *Emporia.* |
| Eusebia B. Mudge, | Cl. | *Manhattan.* |
| Kate Stephens, | Cl. | *Wakarusa.* |
| **JUNIORS.** | | |
| George F. Gaumer, | N. H. | *Wakarusa.* |
| May E. Richardson, | Sc. | *Lawrence.* |
| Chas. W. Smith, | Sc. | *East Lynne, Mo.* |
| Elmer B. Tucker, | Cl. | *Lawrence.* |
| Henry S. Tremper, | Cl. | *Lawrence.* |
| James A. Wickersham, | Sc. | *Dimon.* |
| **SOPHOMORES.** | | |
| Andrew Atchison, | Cl. | *Richmond.* |
| Jonathan W. Ball, | Cl. | *Olathe.* |
| Everard Bierer Jr., | Sc. | *Hiawatha.* |

| *Names.* | *Courses.* | *Residences.* |
|---|---|---|
| Bion H. Barnett, | Sc. | *Hiawatha.* |
| Alice Goss, | Sc. | *Lawrence.* |
| Mary E. Gamble, | Sc. | *Tonganoxie.* |
| Kate G. Jenkins, | Cl. | *Lawrence.* |
| John H. Long, | Sc. | *Olathe.* |
| John Dale Lambert, | Sc. | *Fort Dodge, Iowa.* |
| Lizzie J. Miller, | Sc. | *Lawrence.* |
| Frank H. Morgan, | Sc. | *Leavenworth.* |
| Carrie L. Morris, | Sc. | *Lawrence.* |
| William Osburn, | Cl. | *Wilmington, Ill.* |
| Willard F. Sergent, | Sc. | *Lawrence.* |
| Nelson J. Stephens, | Cl. | *Wakarusa.* |
| Angelo Cyrus Scott, | Cl. | *Iola.* |
| Carrie M. Watson, | M. L. | *Lawrence.* |

## FRESHMEN CLASS.

| | | |
|---|---|---|
| Frank T. Botsford, | M. L. | *Bridgeport, Conn.* |
| William H. Carruth, | Sc. | *Lawrence.* |
| Mary A. Eidemiller, | Sc. | *Lawrence.* |
| Charles P. Grovenor, | Sc. | *Lawrence.* |
| Vara H. Gunn, | M. L. | *Lawrence.* |
| Laura Hadley, | M. L. | *Lawrence.* |
| Mary E. Herrington, | M. L. | *Lawrence.* |
| Anna E. Mozley, | M. L. | *Lawrence.* |
| Frank P. Payne, | Sc. | *Emporia.* |
| Louisa Rankin, | M. L. | *Lawrence.* |
| Alma Richardson, | M. L. | *Lawrence.* |
| Kate S. Smeed, | M. L. | *Lawrence.* |
| W. E. Stevens, | Cl. | *Paola.* |
| Colin F. Timmons, | Cl. | *Lawrence.* |
| Kate Williams, | M. L. | *Lawrence.* |
| De Etta Warren | M. L. | *Lawrence.* |

| *Names.* | *Courses.* | *Residences.* |
|---|---|---|
| Marcia R. Wood, | Sc. | *Lawrence.* |
| Selina Wilson, | Sc. | *Lawrence.* |
| Lizzie Yeagley, | M. L. | *Lawrence.* |

## SELECT COURSE.

| | |
|---|---|
| Henry C. Burnett, | *Lawrence.* |
| Chas. S. Cross, | *Emporia.* |
| F. P. Clarke, | *Kansas City, Mo.* |
| Chas. H. Conklin, | *Whiting.* |
| Chas. S. Gleed, | *Lawrence.* |
| Amy A. Gunn, | *Lawrence.* |
| James F. Harris, | *Tenby. Wales.* |
| Harriet E. Lewis, | *Lawrence.* |
| George T. Nicholson, | *Lawrence.* |
| Hugh T. Richards, | *Lawrence.* |
| Emma A. Savage, | *Lawrence.* |
| Kate M. Schmucker, | *Lawrence.* |
| Mary H. Thacher, | *Lawrence.* |
| William E. Tenney, | *Lawrence.* |
| Gertrude Walker, | *Lawrence.* |
| C. C. Welborn, | *Kansas City, Mo.* |

# PREPARATORY DEPARTMENT.

| *Names.* | *Courses.* | *Residences.* |
|---|---|---|

## SENIOR CLASS.

| | | |
|---|---|---|
| Jessie A. Austin, | Sc. | *Neodesha.* |
| William T. Byrd, | Cl. | *Wakarusa.* |
| Mary E. Brigham, | Sc. | *Neodesha.* |
| Joseph W. Brigham, | Sc. | *Neodesha.* |
| J. H. Hoover, | Cl. | *Verona, Mo.* |
| J. G. Johnson, | Cl. | *Garnett.* |
| Mary V. Montgomery, | Sc. | *Lawrence.* |
| Josie B. March, | Sc. | *Lawrence.* |
| A. H. Mickey, | Sc. | *Chetopa.* |
| W. K. McCarthy, | Sc. | *Paola.* |
| Belle Stevens, | Sc. | *Lawrence.* |
| C. W. Stephenson, | Sc. | *Chetopa.* |
| Elizabeth B. Tenney, | Sc. | *Lawrence.* |
| George S. Wetherell, | Sc. | *Barclay.* |
| Jane J. Wetherell, | Sc. | *Barclay.* |

## MIDDLE CLASS.

| | | |
|---|---|---|
| Frank DeGraff Altman, | Cl. | *Ottawa.* |
| Valorous F. Brown, | Cl. | *Medina.* |
| F. L. Burke, | Sc. | *Spring Hill.* |
| Charles LeRoy Burke, | Sc. | *Spring Hill.* |
| Hervey Jabus Baker, | Sc. | *Tiblow.* |
| Arthur E. Blood, | Cl. | *Lawrence.* |
| H. M. Cox, | Sc. | *Lawrence.* |
| Helen E. Eidemiller, | Sc. | *Lawrence.* |
| W. C. Gunn, | Sc. | *Lawrence.* |
| Carrie A. Goss, | Sc. | *Lawrence.* |

| *Names.* | *Courses.* | *Residences.* |
|---|---|---|
| Anna F. Hancock, | Sc. | *Lawrence.* |
| Flora M. Hadley, | Sc. | *Lawrence.* |
| Susan James, | Sc. | *Mitchellville, Iowa* |
| Harry W. Kelly, | Sc. | *Leavenworth.* |
| Frank Geo. Kenesson, | Sc. | *Cedar Vale.* |
| C. T. Likins, | Sc. | *Cherryvale.* |
| William C. McCann, | Sc. | *Maroa, Ill.* |
| B. A. McAllaster, | Sc. | *Lawrence.* |
| John O'Neill, | Sc. | *Lawrence.* |
| Frank Prentiss, | Sc. | *Lawrence.* |
| O. N. Patty, | Cl. | *Pontiac, Ill.* |
| D. J. Rankin, | Sc. | *Wakarusa.* |
| Charles Stille, | Sc. | *Leavenworth.* |
| Jane Smith, | Sc. | *Lawrence.* |
| William H. Simpson, | Sc. | *Lawrence.* |
| Nellie G. Thacher, | Sc. | *Lawrence.* |
| E. P. Tremper, | Cl. | *Lawrence.* |
| Ada L Tweed, | Sc. | *Wakarusa.* |
| John Maxwell Walker, | Sc. | *Lawrence.* |
| W. C. Wheat, | Cl. | *Aurora, Mo.* |
| Henry T. Warder, | Cl. | *Lawrence.* |
| Solon T. Williams, | Cl. | *Lawrence.* |
| Almira Wood, | Sc. | *Lawrence.* |
| Dora A. Wade, | Sc. | *Wakarusa.* |
| Frank L. Woodruff, | Sc. | *Lawrence.* |

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## JUNIOR CLASS.

R. A. Ballanger, . . . . . *Larned.*
Hattie F. Baker, . . . . . *Lawrence.*
Frank Marion Blair, . . . . . *Alton.*
Henry M. Blood, . . . . . *Lawrence.*
Florida Bryson, . . . . . *Lawrence.*

| *Names.* | *Residences.* |
|---|---|
| Jennie E. Corel, | *Lawrence.* |
| D. B. Coons, | *Lawrence.* |
| Rebecca Drisdom, | *Lawrence.* |
| J. J. Devereux, | *Spring Hill.* |
| W. M. Duff, | *Lawrence.* |
| Frank C. Earle, | *Lawrence.* |
| Frank Finney, | *Center Ridge.* |
| Annie F. Flinn, | *Lawrence.* |
| Thomas A. Fry, | *Lawrence.* |
| Abbie Gunn, | *Lawrence.* |
| Clara Gray, | *Lawrence.* |
| Thomas C. Gaumer, | *Wakarusa.* |
| Mary W. Grew, | *Lawrence.* |
| Annie Gilmore, | *Lawrence.* |
| M. D. Hervey, | *Independence.* |
| Eva Himoe, | *Wakarusa.* |
| Mary E. Henley, | *Lowell.* |
| C. L. Isaacs, | *Leavenworth.* |
| M. S. Ish, | *Vermilion.* |
| Lillian F. Jackson, | *Lawrence.* |
| Orin W. Jackson, | *Lawrence.* |
| T. T. Janeway, | *Fort Wallace.* |
| Albert Lewis, | *Lawrence.* |
| E. E. Lewis, | *Lawrence.* |
| Mary Ella Ladd, | *Wakarusa.* |
| Anna M. Morgan, | *Lawrence.* |
| H. B. Means, | *Mineral Point.* |
| Martha Olive Miller, | *Lawrence.* |
| Lizzie J. Miller, | *Lawrence.* |
| Kate Mugan, | *Lawrence.* |
| J. A. Marchant, | *Liberty.* |
| R. C. Morrow, | *Lawrence.* |
| Kate S. Morrow, | *Lawrence.* |
| Lulu L. Pelton, | *Topeka.* |

| *Names.* | *Residences.* |
|---|---|
| Mary Porter, | *Ottawa.* |
| Ella Pearson, | *Lawrence.* |
| Adele Russell, | *Lawrence.* |
| J. T. Reed, | *Big Springs.* |
| John Thomas Robinson, | *Fort Wallace.* |
| Belle Smith, | *Lawrence.* |
| J. W. Stewart, | *Lecompton.* |
| Harold C. Short, | *Lawrence.* |
| Anna L. Shanklin, | *Lawrence.* |
| Julia M. Watson, | *Lawrence.* |
| Jane M. Walker, | *Wakarusa.* |
| Rella Yeagley, | *Lawrence.* |

## SELECT COURSE.

| | |
|---|---|
| Alfred H. Cobb, | *Wyandotte.* |
| Hannah Christopher, | *Wabaunsee.* |
| Cyrene Carmean, | *Lawrence.* |
| Walter H. Challis, | *Atchison.* |
| W. S. Darnell, | *Baldwin City.* |
| L. D. Gibbons, | *Baxter Springs.* |
| James W. Gleed, | *Lawrence.* |
| Lucy A. Hollister, | *Lawrence.* |
| George T. Inge, | *Geneva.* |
| J. S. McDanield, | *Tiblow.* |
| J. A. McKnight, | *Salt Lake City, Utah.* |
| Mina E. Marvin, | *Lawrence.* |
| Mary E. Murphy, | *Lawrence.* |
| A. McLachlen, | *Thayer.* |
| William J. Mitchell, | *Lawrence.* |
| J. H. Newlin, | *Lawrence.* |
| P. W. Oldham, | *Beltan, Mo.* |

Charles L. Pease, . . . . . *Lawrence.*
Charles E. Pearson, . . . . . *Lawrence.*
Oscar T. Street, . . . . . *Baxter Springs.*
Henry Sutherland, . . . . . *Lawrence.*
O. E. Smith, . . . . . *Monticello, Iowa.*
Mary J. Sturdavant, . . . . *DeSoto.*
William A. Sturdavant, . . . . *DeSoto.*
Lucullus Sellers, . . . . . *Mound City.*
David Shuey, . . . . . *East Lynn, Mo.*
Emma C. Thrasher, . . . . . *Iola.*
Josie Wheeler, . . . . . *Lawrence.*

# SUMMARY OF GENERAL RECORD.

Total number of students registered for advancement or admission from September 9th, 1874, to May 15th, 1875, ..... 201
Number accepted and enrolled, ..... 194

# SUMMARY OF CLASSIFICATION.

| COLLEGIATE DEPARTMENT. | Males. | Females. | Total. |
|---|---|---|---|
| Senior Class, | 3 | 4 | 7 |
| Junior Class, | 5 | 1 | 6 |
| Sophomore Class, | 11 | 6 | 17 |
| Freshman Class, | 6 | 13 | 19 |
| Select Course, | 10 | 6 | 16 |
| Aggregate Collegiate Department, | 35 | 30 | 65 |
| PREPARATORY DEPARTMENT. | | | |
| Senior Class, | 8 | 7 | 15 |
| Middle Class, | 25 | 10 | 35 |
| Junior Class, | 24 | 27 | 51 |
| Select Course, | 20 | 8 | 28 |
| Aggregate Preparatory Department, | 77 | 52 | 129 |
| Aggregate both Departments, | 112 | 82 | 194 |

# COUNTIES REPRESENTED.

| | | | |
|---|---|---|---|
| Allen. | Franklin. | Lyon. | Shawnee. |
| Anderson. | Howard. | Miami. | Wabaunsee. |
| Atchison. | Jackson. | Montgomery. | Wallace. |
| Brown. | Jefferson. | Neosho. | Wilson. |
| Butler. | Johnson. | Nemaha. | Woodson. |
| Cherokee. | Labette. | Pawnee. | Wyandotte. |
| Clay. | Leavenworth. | Pottawatomie. | |
| Douglas. | Linn. | Riley. | |

# COURSES OF INSTRUCTION.

## Collegiate Department.

Of the several departments contemplated in the act of incorporation, only one has yet been organized, viz: the *Department of Science, Literature and the Arts.* This Department, at present, comprises *six* courses of Instruction, viz:—a Classical, and a Modern Literature Course, each leading to the degree of Bachelor of Arts; a General Scientific Course, and three Special Scientific Courses,—one in Chemistry, one in Natural History, and one in Civil and Topographical Engineering,—each of the *four* Scientific Courses leading to the degree of Bachelor of Science. Other courses of instruction will be added as the growth of the State and of the University may render advisable.

### Terms of Admission.

For terms of admission to the Collegiate Department see Preparatory Course. Equivalents are accepted.

## CLASSICAL COURSE.

### FRESHMAN CLASS.

FIRST SESSION.

Latin—Cicero de Amicitia; Prose Composition.

Greek—Xenophon's Momorabilia of Socrates, three books; Composition; Smith's History of Greece, Books III and IV.

Algebra—Series, Logarithms and General Theory of Equations.

English—Angus' English Language.

Oriental History.

SECOND SESSION.

Latin—Livy; Prose Composition; Liddell's History of Rome, Books I and II.

Greek—Plato's Apology and Crito; Books V and VI of Smith's History; Composition.

Geometry—Elements completed.

Botany.

## SOPHOMORE CLASS

FIRST SESSION.

Latin—Horace's Odes; Composition; Books III and IV Liddell's History.

Greek—Plato's Gorgias; Becker's Charicles; Composition.

Trigonometry.

Mediaeval History.

Physics.

Zoology.

SECOND SESSION.

Latin—Horace's Satires and Epistles; Composition; Liddell's History completed.

Greek—Demosthenes De Corona; Constitutional History of Greece; Composition.

Analytical Geometry; Conic Sections.

Modern History from 1648 to 1815.

Physics.

Zoology.

## JUNIOR CLASS.

FIRST SESSION.

Latin—Tacitus' Annals; Roman Literature.

Greek—Historians—Selections; History of Greek Art.

Logic.

Chemistry.

Physiology.

SECOND SESSION.

Latin—Comedies; Catullus; Roman Literature.

Greek—Homer, eight books; History and Theory of Epic Poetry among the Greeks.

Meteorology.

English Literature.

Astronomy.

Chemistry.

### SENIOR CLASS.

FIRST SESSION.

Greek—Dramas; Greek Literature.
Rhetorical and Historical Criticism of selected English Authors.
Metaphysics—Mental Science.
Political Economy.
Astronomy.

SECOND SESSION.

Greek—Lyric Poetry; Literature.
Rhetorical and Historical Criticism of selected English Authors.
Metaphysics—Moral Science.
Geology.

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## GENERAL SCIENTIFIC COURSE.

### FRESHMAN CLASS.

FIRST SESSION.

Algebra—Series, Logarithms and General Theory of Equations.
English—Angus' English Language.
Oriental History.
Physics—Mechanics of Solids, Liquids and Gases.
Chemistry—Lectures on the Elements; Laboratory Practice.
German or French.
Drawing.

SECOND SESSION.

Geometry—Elements completed.
Botany.
Chemistry—Lectures on the Elements; Laboratory Practice.
German, or French.
Drawing.

## SOPHOMORE CLASS.

FIRST SESSION.

Trigonometry.
Mediaeval History.
Zoology.
Physics—Mechanics, Sound, Heat and Light.
Chemistry—Analytical.
German, or French.
Drawing.

SECOND SESSION.

Analytical Geometry—Conic Sections.
Modern History.
Zoology.
Physics—Light, Electricity and Magnetism.
Chemistry—Analytical.
German, or French.
Drawing.

## JUNIOR CLASS.

FIRST SESSION.

Calculus—Differentials of Functions, and Geometric Applications.
Modern History.
Logic.
Physiology.
German.

SECOND SESSION.

Calculus—Integration of simple Functions, and Linear Equations.
English Literature.
Astronomy.
Meteorology.
German.

## SENIOR CLASS.

FIRST SESSION.

Astronomy.
Rhetorical and Historical Criticism of selected English authors.
Metaphysics—Mental Science.
Political Economy.
Mineralogy.

SECOND SESSION.

Rhetorical and Historical Criticism of selected English authors.
Metaphysics—Moral Science.
Geology.

# MODERN LITERATURE COURSE.

## FRESHMAN CLASS.

FIRST SESSION.

Algebra—Series, Logarithms and General Theory of Equations.
English—Angus' English Language, and Oriental History.
German.
French.
History—Liddell's Roman.
Drawing.

SECOND SESSION.

Geometry—Elements completed.
Botany.
German.
French.
Greek History—Smith's.
Drawing.

## SOPHOMORE CLASS.

FIRST SESSION.

Trigonometry.
Mediaeval History.
Zoology.
Physics.
French.
German.

SECOND SESSION.

Analytical Geometry—Conic Sections.
Modern History.
Zoology.
Physics.
French.
German.

## JUNIOR CLASS.

FIRST SESSION.

Logic.
Chemistry.
Modern History.
Physiology.
German.
History of Greek Literature.

SECOND SESSION.

Astronomy.
Chemistry.
English Literature.
Meteorology.
German.
History of Roman Literature.

## SENIOR CLASS.

FIRST SESSION.

Astronomy.
Rhetorical and Historical Criticism of selected English Authors.
Metaphysics--Mental Science.
Mineralogy.
Political Economy.
German.

SECOND SESSION.

Rhetorical and Historical Criticism of selected English Authors.
Metaphysics—Moral Science.
Geology.
German.

# COURSE IN CIVIL ENGINEERING.

## FRESHMAN CLASS.

Studies — Same as those of Freshman Class Scientific Course, with the addition of Industrial Drawing.

## SOPHOMORE CLASS.

Studies — Same as those of Sophomore Class Scientific Course, with the addition of Industrial Drawing.

## JUNIOR CLASS.

FIRST SESSION.

Calculus—Differentials of Functions, and Geometric Applications.
Descriptive Geometry.
Civil Engineering Proper – Survey, Location, and Construction of Roads and Railroads.
Physiology.
Drawing.
Field Practice.

SECOND SESSION.

Calculus—Integration of Simple Functions, and Linear Equations.
Applied Mechanics—Force in rigid bodies; Hydrostatics; Strength of Materials.
Civil Engineering Proper—Survey, Location and Construction of Roads and Railroads.
Meteorology.
Astronomy.

## SENIOR CLASS.

FIRST SESSION.

Astronomy.
Mineralogy.
Analytical Mechanics.
Metaphysics—Mental Science.
Drawing.
Field Practice.

SECOND SESSION.

Metaphysics—Moral Science.
Geology.
Civil Engineering—Practical applications.
Analytical Mechanics.

# COURSE IN NATURAL HISTORY.

## FRESHMAN AND SOPHOMORE CLASSES.

Studies—Same as those of corresponding classes in the General Scientific Course.

## JUNIOR CLASS.

FIRST SESSION.

Comparative Anatomy of the Vertebrates.
Dissections of Mammals and Birds.
Human Physiology.
Logic.

SECOND SESSION.

Comparative Anatomy of the Vertebrates; Dissections of Reptiles and Fishes.
Advanced Botany.
Meteorology.
Astronomy.
English Literature.

## SENIOR CLASS.

FIRST SESSION.

Comparative Anatomy of the Articulates; Dissections of Insects and Crustaceans.
Mineralogy.
Metaphysics—Mental Science.
Political Economy.

SECOND SESSION.

Comparative Anatomy of the Mollusks and Radiates; Dissections of Cuttle-fishes, Clams, Star-fishes, &c.
Geology.
Metaphysics—Moral Philosophy.

N. B.—In carrying out the above scheme of study, fifteen hours per week in the Zoological Laboratory, are required of each student during the Junior and Senior years. This course of training is adapted not only to those who aim to become Naturalists but also to those who have in view the Medical Profession.

# COURSE IN CHEMISTRY.

## FRESHMAN AND SOPHOMORE CLASSES.

Studies—Same as those of corresponding classes in the General Scientific Course.

## JUNIOR CLASS.

FIRST SESSION.

Chemistry—Inorganic.
Quantitative Analysis—Gravimetric.
Human Physiology.
Logic.

SECOND SESSION.

Chemistry—Organic.
Quantitative Analysis—Gravimetric.
English Literature.
Astronomy.
Meteorology.

## SENIOR CLASS.

FIRST SESSION.

Chemistry—Organic.
Quantitative Analysis—Organic and Volumetric.
Metaphysics—Mental Science.
Political Economy.

SECOND SESSION.

Blowpipe Analysis and Assaying.
Mineralogy.
Geology.
Original Chemical Work.

N. B.—During the last two years of this course, at least twenty hours per week of Laboratory Practice are required. The object sought is to thoroughly prepare graduates as professional or practical chemists. A partial course selected from the above would be found highly advantageous to those intending to pursue Medical Studies.

# Preparatory Department.

This Department has been organized to supply the existing want of suitable Preparatory Schools in the State, and therefore will not be made a permanent feature of the University.

### Terms of Admission.

Candidates for admission to the Junior Class are examined in the following studies, viz:

Orthography.
Reading.
Mental Arithmetic.
Written Arithmetic, to Interest.
Elements of Geography.
Elements of English Grammar.

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# CLASSICAL COURSE.

## JUNIOR CLASS.

FIRST SESSION.

Latin—Harkness' Latin Grammar and Reader.
English—Etymology, Grammatical and Historical.
Arithmetic.
General Geography and Map Drawing.

SECOND SESSION.

Latin—Harkness' Latin Grammar and Reader.
English—Synonyms and Composition.
Arithmetic.
Physical Geography and Map Drawing.

## MIDDLE CLASS.

FIRST SESSION.

Latin—Cæsar's Commentaries, First Book Harkness' Latin Grammer.
Greek—Harkness' First Greek Book.
Elementary Algebra.
History of the United States.

SECOND SESSION.

Latin—Cæsar's Commentaries, Second and Third Books.—Grammar.
Greek—Harkness' First Greek Book.
Elementary Algebra, through Simple Equations.
History of the United States, with Analysis of Civil Government.

### SENIOR CLASS.

FIRST SESSION.

Latin—Virgil's Æneid, First Book; Prosody, Composition.
Greek—Xenophon's Anabasis, Book I. Jones's Exercises. Smith's History of Greece, Book I.
English—Elements of the Sentence.
Elementary Algebra—Radicals and Equations of second degree.

SECOND SESSION.

Latin—Virgil's Æneid, Books II and III, Prosody, Composition.
Greek—Books II and III of Anabasis, Jones's Exercises. Smith's History of Greece, Books II and III.
Geometry—First five Books.
English—Syntax and Elements of Rhetoric.

## SCIENTIFIC COURSE.

### JUNIOR CLASS.

Studies—Same as those of the Junior Class, Classical Course, with the addition of Drawing.

### MIDDLE CLASS.

FIRST SESSION.

Elementary Algebra.
Natural Philosophy—Mechanics, Sound, Heat.
History of the United States.
French.
Drawing.

SECOND SESSION.

Elementary Algebra, through Simple Equations.
Philosophy—Light, Electricity and Magnetism.
History of the United States; Outline of the Constitution.
French.
Drawing.

### SENIOR CLASS.

FIRST SESSION.

Algebra—Radicals and Equations of second degree.
English—Elements of the Sentence.
French.
German.
Drawing.

SECOND SESSION.

Geometry—The first five Books.
English—Syntax, and Elements of Rhetoric.
French.
German.
Drawing.

## MODERN LITERATURE COURSE.

### JUNIOR CLASS.

Studies—Same as those of the Junior Class, Classical Course.

### MIDDLE CLASS.

FIRST SESSION.

Elementary Algebra.
United States History.
Cæsar, First Book of Commentaries with Grammar.
French.

SECOND SESSION.

Elementary Algebra, through Simple Equations.
United States History, with Analysis of Civil Government.
Cæsar's Commentaries, Second and Third Books with Grammar.
French.

### SENIOR CLASS.

FIRST SESSION.

Elementary Algebra, Radical Equations of second degree.
English—Elements of the Sentence.
German.
French.
Drawing.

SECOND SESSION.

Geometry—First five Books.
English—Syntax, and Elements of Rhetoric.
German.
French.
Drawing.

# MISCELLANEOUS INFORMATION.

## SELECT COURSE OF STUDY.

Students who desire to confine their attention to special branches, adapted to their requirements and attainments, are permitted, subject to the advice of the Faculty, to take such a course of study as they can pursue with advantage.

## APPARATUS OF INSTRUCTION.

The *Chemical Department* is supplied with laboratory tables and with the apparatus and chemicals requisite for a complete course of laboratory practice in analytical Chemistry.

The Department of Astronomy is provided with a Green's *Standard Barometer* and Thermometer, an Astronomical Clock, and five-feet Astronomical Transit for the use of students in Observatory Practice; and with a Gambey's Sextant, an Artificial Horizon, and a Negus Box Chronometer, for use in Field Practice in Astronomy.

The Department of Engineering possesses an Engineer's Transit, an Engineer's Y Level, and all requisite accompaniments for the most approved kind of *Office* and *Field* work in Engineering.

The collection of Philosophical Apparatus affords the means of making a wide range of experimental illustrations in Mechanics and Physics.

## SESSIONS AND VACATIONS.

The Academic year is divided into two sessions of twenty weeks each. The first session begins on the first Wednesday following the 4th of September. For particulars see Calendar.

## EXAMINATIONS.

Public examinations of the classes are held at the close of each session on the studies of the session.

## EXPENSES.

No charges are made by the University, except a contingent fee of five dollars per session.

The Treasurer's receipt for this fee must be presented by each candidate for examination or enrollment. The fee will be returned to students not admitted on examination.

Orphans of soldiers and of citizens killed in Quantrell's raid, are exempt from the payment of the contingent fee.

Board in private families may be had for $4 a week.

By uniting in clubs, and boarding themselves, students may reduce their expenses one-half.

## LIBRARY.

The Library has been increased during the current year, by a large number of books of reference and periodicals. These books are of the highest value to students, as they embrace works upon all departments of Science, Literature and Art. The selection has been made by the Professors representing the several courses of study for the express purpose of rendering assistance to the students in their University work.

## CABINET COLLECTIONS.

Important aid in the study of Natural History is afforded by the Cabinet Collections, which contain upwards of 20,000 specimens illustrating chiefly the departments of Botany, Zoology and Geology. The collections in Ornithology and Entomology have been more than doubled during the past year, chiefly through the voluntary contributions of University Students, and now include upwards of 1,600 species of Kansas Insects, and nearly 300 species of Kansas Birds.

## SOCIETIES.

Two Literary Societies, the Orophilian and the Oread, and one Society of Natural History, regularly organized by the students, are in successful operation. The Natural History Society for two years have published and creditably maintained a scientific paper entitled the "Observer of Nature."

## GENERAL LITERARY EXERCISES.

Rhetorical exercises, consisting of orations, declamations, select readings, &c., are required of all students attending the University.

## DEVOTIONAL EXERCISES.

Devotional Exercises are held in the University Hall every morning.

## DISCIPLINE.

Unexceptionable Deportment and a strict observance of University rules are enforced.

## DONATIONS.

MAY 1874 TO MAY 1875

By Hon. John Fraser, State Superintendent of Public Instruction:
250 Vols. Standard Literary and Scientific works.*

By Prof. John D. Parker, Wyandotte:
2000 specimens minerals and fossils.

By Prof. F. H. Snow:
1000 marine specimens collected at Penikese Island, Mass.
1000 Kansas Insects.
800 Massachusetts Insects, obtained by exchange.
200 Kansas Birds.
1000 Plants of Virginia, obtained by exchange.

By Geo. F. Gaumer;†
1200 Kansas Insects.
25 Kansas Birds.

By Wm. Osburn:†
500 Kansas Insects.
100 Kansas Birds.

By Frank H. Morgan.†
200 Kansas Insects:

By Jno. W. Ball:†
100 Insects of the Plains:

By Angelo C. Scott:†
200 Kansas Insects.

By Prof. M. V. B. Knox:
Calamites and other fossils from Baldwin.

By Col. W. A. Rankin:
Galena from Michigan.

*Through inadvertence this donation was not mentioned in the last catalogue.
†Students of the University.

By Major W. C. Ransom :
Zinc and other ores from Missouri.

By John Rankin, Esq. of New York, and Chas. Smith, of Conn. :
1 pair Franklin's Rosy Gulls.

By Harry Dodds, Osage City :
Large Slab with fossil footprints of reptiles.

By the Department of the Interior, Washington, D. C. :
A Map of the United States.

By Hon. J. J. Ingalls, U. S. S. :
7 Vols. Congressional Record, 43rd Congress, 1st Session.

By G. C. Broadhead, State Geologist of Missouri.
Report of Geological Survey of Missouri.
Atlas accompanying Report of Geological Survey of Missouri.

By Publishers :
The Lawrence Journal (Daily), Lawrence.
The Commonwealth, " Topeka.
Topeka Weekly Times, "
The Kansas New Era, Valley Falls.
Walnut Valley Times, Eldorado.
Southern Kansas Advance, Chetopa.

# CALENDAR FOR 1875.

January 2—Christmas Recess ends.....Saturday.
January 21—Semi-annual Examinations begin.....Thursday.
January 26—Semi-annual Examinations end.....Tuesday.
January 26—First Session ends.....Tuesday.
January 27—Second Session begins.....Wednesday.
March 27—Spring Recess begins.....Saturday.
April 3—Spring Recess ends.....Saturday.
June 3—Annual Examinations begin.....Thursday.
June 9—Annual Examinations end.....Wednesday.
June 10—Examination of candidates for admission.....Thursday.
June 13—Baccalaureate Address.....Sunday.
June 14—Orophilian and Oread Anniversaries.....Monday.
June 15—Class-day.....Tuesday.
June 16—Commencement-day.....Wednesday.

SUMMER VACATION OF TWELVE WEEKS.

September 8—First Session begins.....Wednesday.
September 8 } Examination of candidates for admission..... { Wednesday.
September 9 } { Thursday.
December 18—Christmas Recess begins.....Saturday.

# CALENDAR FOR 1876.

January 1—Christmas Recess ends.....Saturday.
January 20—Semi-annual Examinations begin.....Thursday.
January 25—Semi-annual examinations end.....Tuesday.
January 25—First Session ends.....Tuesday.
January 26—Second Session begins.....Wednesday.
March 25—Spring Recess begins.....Saturday.
April 1—Spring Recess ends.....Saturday.
June 1—Annual Examinations begin.....Thursday.
June 7—Annual Examinations end.....Wednesday.
June 8—Examination of candidates for admission.....Thursday.
June 11—Baccalaureate Address.....Sunday.
June 13—Class-day.....Tuesday.
June 14—Commencement-day.....Wednesday.

SUMMER VACATION OF TWELVE WEEKS.

September 6—First Session begins.....Wednesday.
September 6 } Examination of candidates for admission..... { Wednesday.
September 7 } { Thursday.
December 23—Christmas Recess begins.....Saturday.

# ORGANIZATION OF THE UNIVERSITY.

## I. Act of Congress.

By act of Congress it was ordered:

"That seventy-two sections of land shall be set apart and reserved for the use and support of a State University, to be selected by the Governor of said State, subject to the approval of the Commissioners of the General Land Office, and to be appropriated and applied in such a manner as the Legislature of said State may prescribe, for the purposes aforesaid, but for no other purposes."

Approved January 29th, 1861.

## II. Constitutional Provision.

SECTION 7. Provision shall be made by law for the establishment, at some eligible and central point, of a State University, for the promotion of literature and the arts and sciences, including a Normal and Agricultural Department. All funds arising from the sale and rents of lands granted by the United States to the State for the support of a State University, and all other grants, donations or bequests, either by the State or by individuals for such purposes, shall remain a perpetual fund, to be called the "University Fund," the interest of which shall be appropriated to the support of a State University.

SEC. 8. No religious sect or sects shall ever control any part of the Common School or University Funds of the State.

## III. University Charter.

SECTION 1. There shall be established in this State, at or near the city of Lawrence, in the county of Douglas, on the grounds secured for that purpose, pursuant to the act entitled "An act to locate the State University," passed February 20, 1863, an institution of learning, under the name of the University of Kansas.

SEC. 2. The object of the University shall be to provide the inhabitants of this State with the means of acquiring a thorough knowledge of the various branches of Literature, Science and the Arts.

SEC. 3. The government of the University shall vest in a Board of Regents, to consist of a President and twelve members, who shall be appointed as hereinafter provided, and the Superintendent of Public Instruction and Secretary of State shall also, during their respective terms of office, be *ex-officio* members of said Board. A majority of the Board shall constitute a quorum for the transaction of business.

SEC. 4. The members of the Board of Regents shall be appointed by the Governor of the State, by and with the advice and consent of the Senate, two-thirds of the Senators concurring therein, and shall hold their offices respectively, except those appointed to the first Board, for the term of six years from the first Monday of September succeeding their appointment, and until the appointment of a successor: *Provided*, That not more than three of the Regents to be appointed shall be members of the same religious denomination. Immediately upon the passage of this act, it shall be the duty of the governor to appoint the members of the first Board of Regents, four of whom shall be appointed for two, four for four years, and four for six years, from the first day of September next; and every second year after the passage of this act, there shall be appointed, as aforesaid, for the term of six years, four members of said Board, whose term of office shall commence on the first day of September after their appointment.

SEC. 5. Whenever there shall be a vacancy in the office of Regent of the University, from any cause whatever, it shall be the duty of the Governor to fill such vacancy by appointment, and the person or persons so appointed sahll continue in office until the close of the Legislature next thereafter, and until others are appointed in their stead.

SEC. 6. The Regents of the University, and their successors in office, shall constitute a body corporate, with the right, as such, of suing and being sued, of contracting and being contracted with, of making and using a common seal, and altering the same at pleasure.

SEC. 7. The Regents shall appoint a Secretary, a Treasurer and a Librarian, who shall hold their respective offices during the pleasure of the Board. It shall be the duty of the Secretary to record all the proceedings of the Board, and carefully to preserve all its books and papers. The Treasurer shall keep a true and faithful account of all moneys received and paid out by him, and shall give such bonds for the faithful performance of the duties of his office as the Regents may require.

SEC. 8. The Regents shall have power, and it shall be their duty, to enact laws for the government of the University, to elect a Chancellor, who shall be, *ex-officio*, President of the Board of Regents, or, when absent, the Board appoint a President *pro tem*. They may also appoint a requisite number of Professors and Tutors, and such other officers as they may deem expedient; also determine the amount of their respective salaries.

* * * * * * * *

SEC. 10. The University shall consist of six departments: First, the Department of Science, Literature and the Arts; second, the Department of Law; third, the Department of Medicine; fourth, the Department of Theory and Practice of Elementary Instruction; fifth, the Department of Agriculture; sixth, the Normal Department. The immediate government of the several departments shall be entrusted to their respective Faculties, but the Regents shall have the power to regulate the course of instruction, and prescribe, under the advice of the Professor, the books and authorities to be used in the several departments, and also to confer such degrees and grant such diplomas as are usually conferred and granted by other Universities.

SEC. 11. The Regents shall have power to remove any officer connected with the institution when in their judgment the interests require it.

SEC. 12. The fee of admission to the University shall never exceed ten dollars, and the charge for tuition in the first and fourth Departments shall never exceed in one year, to the residents of the State, thirty dollars; and, as soon as the increase of the University fund will permit, tuition in those Departments shall be without charge to all students in the same who are residents of the State.

SEC. 13. The Regents are authorized to expend such portion of the income of the University fund and the fund now on hand as they may deem expedient, for the erection of suitable buildings and the purchase of apparatus, a library and cabinet of natural history: *Provided*, That before they make any purchase or proceed to the erection of such buildings, they shall submit a plan of the same to the Governor and Secretary of State, which shall be approved by them: *And provided further*, That before proceeding to erect said University building, or any part thereof, there shall be on hand and provided for money sufficient to erect and complete an entire section or wing of said building, or a building entire of itself.

SEC. 14. The Regents shall make a report annually to the Legislature, at its regular session, exhibiting the state and progress of the University in its several departments, the course of study, the number of Professors and students, the amount of expenditures, and such other information as they deem proper. Meetings of the Board may be called in such manner as the Regents may prescribe, and any seven of them, at a meeting regularly called, shall be a quorum for the transaction of business, and a less number may adjourn from time to time. No sectarian tenets or opinions shall be required to entitle any person to be admitted as a student in said University, and no such tenets or opinions shall be required as a qualification for any person as Tutor or Professor of said University.

SEC. 15. Nothing herein contained shall be construed as involving the State in any expense in the organization of said University.

SEC. 16. This act to take effect on and after its passage.

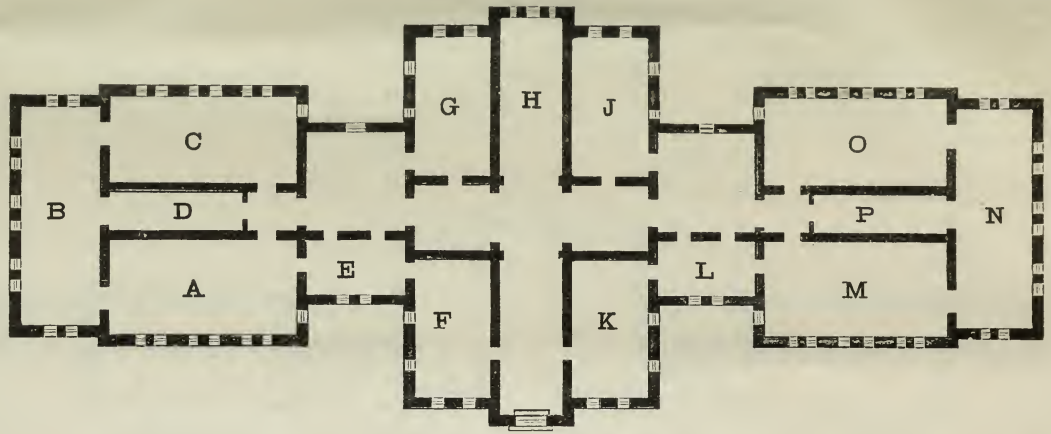
Approved March 1, 1864.

## Amendments.

Laws of '73. Chapter CXXXV. Approved April 6.

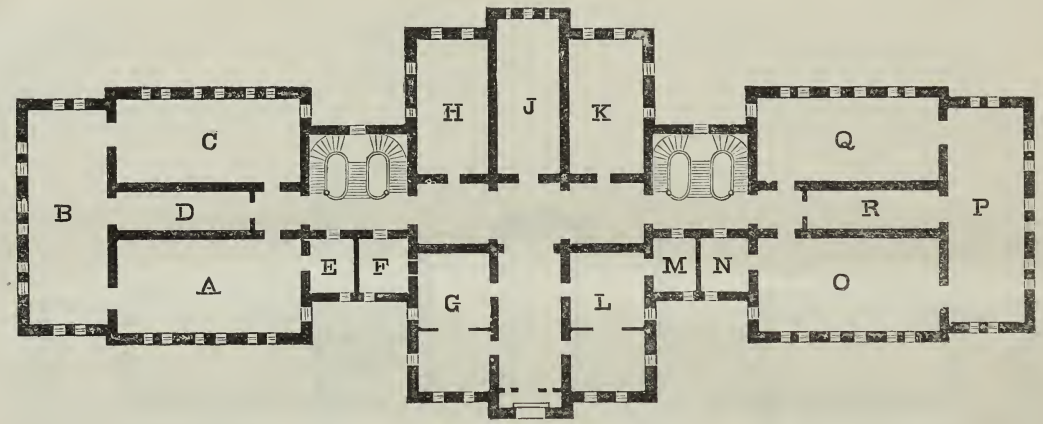
SECTION 1. The State institutions of learning shall each and all be governed by a Board of Regents, composed of seven persons, of whom one shall be *ex-officio*, and the remaining six shall be appointed by the Governor, with the advice and consent of the Senate. The one holding office *ex-officio* shall be the Chancellor or President.

SEC. 2. The Governor shall appoint for each of said institutions of learning, in the year 1873, six Regents, of whom two shall hold their positions for a term of one year, ending April 1, 1874; of whom two shall hold their positions for two years, ending April 1, 1875; and the remaining two for three years, ending April 1, 1876; and their successors shall each and all hold office for the term of three years, expiring on the first days of April in the years thereafter.



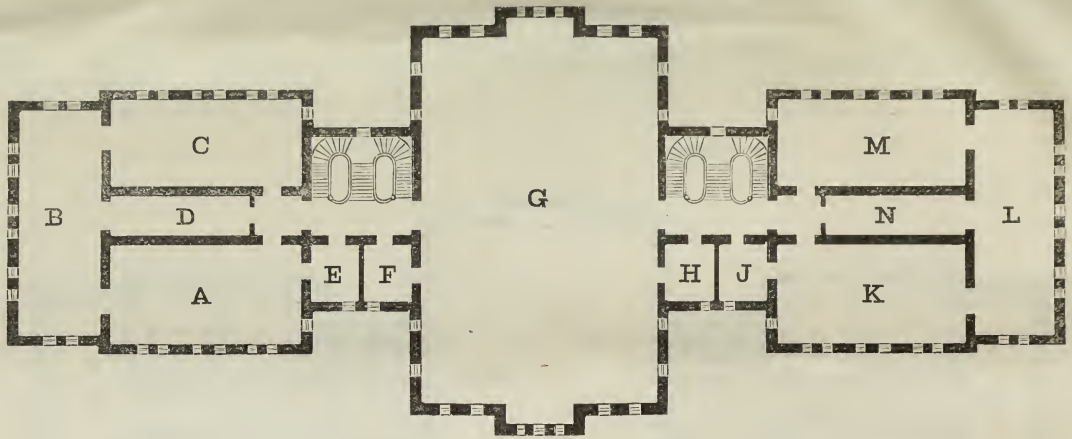

PLAN OF BASEMENT.

A. Chemical Lecture Room.
B. Laboratory for beginners in Chemistry.
C. Laboratory for advanced students in Chemistry.
D. Re-agent Room.
E. Balance Room.
F. Private Laboratory of Professor of Chemistry.
G. Chemical Store-room.
H. Cold Air Chamber.
J. Boiler Room.
K. Permanent Electrical Batteries and Reservoirs of Oxygen and Hydrogen.
L. Standard Weights and Measures.
M. Blowpipe Laboratory.
N. Workshop.
O. Metallurgical Laboratory.
P. Tools and Materials.



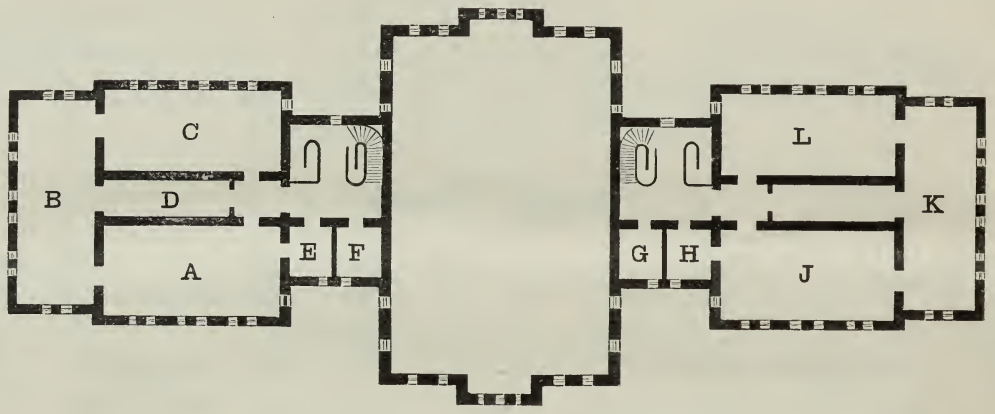

PLAN OF FIRST STORY.

A. Lecture Room—Physics and Mechanics.
B. Laboratory Room for beginners in Physics and Mechanics.
C. Laboratory Room for advanced students in Physics and Mechanics.
D. Apparatus Room.
E. Study of Professor of Physics.
F. Study of Professor of Chemistry.
G. President's Office and Faculty Room.
H. Higher Mathematics and Astronomy.
J. Ladies' Cloak Room.
K. Mental and Moral Philosophy, Logic and Political Economy.
L. Regents' Room and Office of Treasurer.
M. Study of Professor of History and English Language and Literature.
N. Study of Professor of Mathematics.
O. Mathematical Room.
P. Students' Reading Room.
Q. History, English Language and Literature.
R. Ante Room.




PLAN OF SECOND STORY.

A. Lecture Room—Natural History and Geology.
B. Botanical Laboratory.
C. Zoological Museum and Laboratory.
D. Botanical and Geological Cabinet.
E. Study of Professor of Natural History.
F. Study of Professor of Astronomy.
G. Hall for general assemblies and examinations.
H. Study of Professor of Latin.
J. Study of Professor of Greek.
K. Recitation Room in Greek.
L. Pencil and Crayon Drawing.
M. Recitation Room in Latin.
N. Collection of Models.




PLAN OF THIRD STORY.

A. Lecture Room—Surveying & Engineering.
B. Topographical Room.
C. Museum of Descriptive Geometry and Mechanics.
D. Room for Models in Engineering.
E. Study of Professor of Engineering.
F. Study of Professor of Modern Languages.
G. Study of Professor of Engineering.
H. Study.
J., K., L. } Department of Industrial Drawing.

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